

6/8/15 kW

WIDE-BODY LIGHT TOWER

4000 Series

Liquid Cooled Diesel Engine

1 of 6

INCLUDES:

- Large fuel capacity for increased run time
- Wide body chassis with containment option for on or off road towing
- 4×320 watt Generac G4 LED luminaries
- Configurable outlets for auxiliary power
- Easy to set up for rental applications
- Heavy duty metal enclosure for durability
- Standard electric-power mast for quick deployment
- DOT trailer with wide body wheel base for stability
- 5 year LED warranty
- CSA certified
- 1,000 hr oil change interval

MLT4060KVLED, MLT4060MVLED, – 6kW 60Hz
MLT4080KVLED, – 8kW 60Hz
MLT4150MVLED, – 15kW 60Hz
Configured Models



Picture may not reflect actual configurations.



FEATURES

- **HEAVY DUTY APPLICATIONS:** Industry proven wide-body design, with multiple power nodes and engine options to choose from. This machine is available with a variety of options to suit application needs.
- **LED VERSIONS OFFER EXTENDED RUN-TIMES, LESS REFUELING, AND MORE CONVENIENCE POWER DUE TO EFFICIENT G4 LIGHTING.**
- **TEST CRITERIA:**
 - ✓ PROTOTYPE TESTED
 - ✓ CSA TESTED
 - ✓ COLD WEATHER TESTED
 - ✓ PROVEN GENERAC WIDE BODY SERIES MOTOR STARTING ABILITY
- **DIFFUSED LIGHTING:** Solution for highway applications requiring glare-free lighting.
- **HEAVY-DUTY TRAILER DESIGN:** For off-road towing. Leaf-spring suspension.
- **SET-UP AND OPERATION:** Designed to be user-friendly and efficient for rental applications.
- **MULTIPLE ELECTRIC POWER CONVENIENCE OUTLETS:** to power external devices.
- **GENERAC G4 LED LIGHTS:** Designed for maximum power and lower total cost of ownership. Lowers fuel cost by up to 33% compared to metal halide lights.
- **AUTOMATIC VOLTAGE REGULATION (AVR) IN MLT4150 MODELS.** For powering guard stations, job-site trailers, and other applications requiring cleaner electrical power.
- **ANALOG CONTROLS OR POWER ZONE® PLUS CONTROLLER.**

THE GENERAC PROMISE



* Assembled in the USA using domestic and foreign parts.

Benefits

MLT4000 Wide-Body Series

Engine

- Mitsubishi® or Kubota® configuration Proven industrial engines designed for high reliability and low maintenance.
- High temperature and low oil shutdown Protects against engine damage.
- Liquid cooled Superior ambient temperature performance. 50% glycol, 50% water mixture is standard.
- EPA Tier 4 Final certified All engines meet EPA certification requirements.
- Fuel tank with electric self-priming lift pump Polyethylene material. Large-diameter fill port for easy fueling. High capacity for extended run times.

Generator

- Marathon Electric® brushless 60 Hz alternator.
- 120/240 VAC MLT4060, MLT4080 models.
- ±6% capacitor voltage regulation MLT4060, MLT4080 models.
- ±1% automatic voltage regulation (AVR) MLT4150 model. Provides clean power by stabilizing the output voltage at variable loads.

Electrical System

- One 12 V, 440 CCA, wet cell battery Standard equipment.
- 30 A start trip breaker Ensures a no-load condition exists during unit start-up.
- Floodlight circuits with sealed individual breakers Protects against electrical overload of luminaires.
- LED light indicator Confirms function of each individual luminaire for easy troubleshooting.
- Convenience receptacles with individual breakers

Controls

- Analog controls with key-activated ignition Standard equipment. Mechanical keyswitch with four positions (GLOW PLUG, OFF, RUN, START) and digital hour meter.
- Power Zone Plus controls Optional equipment. Includes dusk-to-dawn and auto-scheduler functions.
- Engraved, aluminum punched and anodized control panel Highly durable for construction rental applications.
- Toggle switch for raising and lowering mast Allows operator to quickly and easily deploy mast in 15 seconds.
- ON-OFF switch for each light fixture Independent controls for flexible illumination.
- Digital hour meter Monitors total unit operation time, assisting with management of rental charges.
- Automatic shutdown for low oil pressure and high coolant temperature Protects your investment by proactively identifying failures.

Mast

- Vertical operation and storage Quick raising/lowering of mast. Optimizes shipping and storing by minimizing machine footprint.
- Four tubular steel sections with polymer guides Designed for high stability and strength.
- Distinctive angle fixture design For consistent light distribution.
- Electric winch with winch guard Raises mast in 15 seconds. Self braking.
- 359-degree rotation Lockable and adjustable from ground.
- Self-retracting coil cord No unintentional cable hangups and lowers risk of transport damage.
- Industrial-black powder coat Powder-coated interior and exterior provides superior rust protection.

Convenience Outlets

- MLT4060 models
 - One 120 VAC, 20 A, GFCI, duplex outlet (NEMA 5-20R)
 - One 120/240 V, 30 A, twistlock outlet (NEMA L14-30R)
- MLT4080 models
 - Two 120 VAC, 20 A, GFCI, duplex outlets (NEMA 5-20R)
 - One 120/240 V, 30 A, twistlock outlet (NEMA L14-30R)
- MLT4150 models
 - Two 120 VAC, 20 A, GFCI, duplex outlets (NEMA 5-20R)
 - Two 120/240 V, 30 A, twistlock outlet (NEMA L14-30R)
 - Two 240 VAC, 50 A, twistlock outlets (Leviton CS6369)

MLT4000 Wide-Body Series

Enclosure

- Heavy-duty, 14-gauge steel
 - Stainless steel hinges on doors
 - UV and fade resistant, white polyester powder paint
 - Sound ratings
 - MLT4060, MLT4080 models: 68 dB at 23 ft (7 m).
 - MLT4150 models: 71 dB at 23 ft (7 m).
 - Lifting point and fork pockets
 - Document holder with owner's manual
- For tough rental applications.
- Prevents oxidation and helps increase resale value.
- Salt-spray tested to 1,000 hours.
- Center-mounted lifting point allows lifting from above using chains or forklift, or lifting with on-site machinery.
- Includes AC and DC wiring diagrams.

Trailer

- Tubular steel frame
 - 2,200 lb (998 kg) capacity leaf-spring axle
 - 3,000 lb (1.361 kg) capacity leaf-spring axle
 - Removable tongue – 48 in. (1219.20 mm) length
 - Four 2,000 lb (907.18 kg) leveling jacks
 - Side outriggers
 - Single-wall polyethylene fenders
 - LED trailer lights (side, brake, and directionals)
 - Recessed rear lights and illuminated license plate holder
 - Tires
 - Front step platform
- Rigid frame designed for stability, for on- or off-road towing.
- MLT4060, MLT4080 models.
- MLT4150 models.
- Allows for consolidated shipping and decreased machine footprint shipping or long-term storage.
- Quick-turn style reduces set-up time. Lockable in stowed positions.
- For leveling and stabilization in up to 65 mph (104.6 Km/h) winds.
- Black, high density, UV resistant polymer.
- DOT approved.
- DOT approved.
- MLT4060, MLT4080 models: ST175/80R13.
 - MLT4150 models: P205/75R15.
- For easy adjustment of light fixtures.

Power Zone Plus Advanced Controller

- Designed specifically for mobile lighting applications
- Dusk-to-dawn programming based on location
- Seven-day scheduler automatically starts and stops the unit each day
- Programmable service reminders for custom alerts
- Comprehensive warnings protect the operator and equipment
- Event history to monitor fleet
- Large, easy-to-read, backlit color display
- Heated display with ability to operate in cold weather
- IP65 water ingress rating



014084

THE LEADING LIGHT TOWER OPTION FOR



Construction
Sites



Rental



Roadwork



Oil & Gas

Specifications

MLT4000 Wide-Body Series

| | Units | MLT4060MVLED | MLT4060KVLED | MLT4080KVLED | MLT4150MVLED |
|---|---------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Machine | | | | | |
| Fuel tank capacity (usable) | US gal (L) | 56.4 (213.5) | 56.4 (213.5) | 56.4 (213.5) | 56.4 (213.5) |
| Sound rating | dBA @ 7 m | 68 | 68 | 68 | 71 |
| Wind rating | mph (km/h) | 65 (105) | 65 (105) | 65 (105) | 65 (105) |
| Temperature rating (standard unit)* | °F (°C) | 0 to 120 (-17.8 to 48.9) | 0 to 120 (-17.8 to 48.9) | 0 to 120 (-17.8 to 48.9) | 0 to 120 (-17.8 to 48.9) |
| Temperature rating (cold weather unit)* | °F (°C) | -20 to 120 (-28.9 to 48.9) | -20 to 120 (-28.9 to 48.9) | -20 to 120 (-28.9 to 48.9) | -20 to 120 (-28.9 to 48.9) |
| Shipping capacity—48 ft trailer | qty | 8 | 8 | 8 | 8 |
| Total lumens | lm | 188,000 | 188,000 | 188,000 | 188,000 |
| LED power consumption | W | 4×320 | 4×320 | 4×320 | 4×320 |
| Weight—Dry | lb (kg) | 1,655 (751) | 1,675 (760) | 1,720 (780) | 2,015 (914) |
| Weight—Operating | lb (kg) | 2,058 (933) | 2,078 (943) | 2,123 (963) | 2,418 (1,097) |
| Generator | | | | | |
| Make | — | Marathon Electric | Marathon Electric | Marathon Electric | Marathon Electric |
| Model | — | 201CSA5411 | 201CSA5411 | 201CSA5420 | 333CSA3024 |
| Type | — | Brushless | Brushless | Brushless | Brushless |
| Insulation | class | F | F | F | F |
| Rating | Hz | 60 | 60 | 60 | 60 |
| Maximum output | kW | 6 | 6 | 8 | 15 |
| Voltage regulation | — | Capacitor | Capacitor | Capacitor | AVR |
| Regulation accuracy | % | ±6 | ±6 | ±6 | ±1 |
| Engine | | | | | |
| Make (model) | — | Mitsubishi (L3E) | Kubota (D1005) | Kubota (D1105) | Mitsubishi (S4L2) |
| Fuel | — | Diesel | Diesel | Diesel | Diesel |
| EPA certification | — | T4F | T4F | T4F | T4F |
| Cylinders | qty | 3 | 3 | 3 | 4 |
| Displacement | in ³ (L) | 57.97 (0.95) | 61.08 (1.0) | 68 (1.12) | 107(1.76) |
| Valve arrangement | — | OHV | OHV | OHV | OHV |
| Ignition system | — | Compression ignition (CI) | Indirect CI | Indirect CI | CI |
| Governor system | — | Electric | Electric | Electric | Mechanical |
| Starter | — | Electric | Electric | Electric | Electric |
| Power at 1,800 rpm—prime | hp (kW) | 10.5 (7.8) | 11.7 (8.7) | 13.5 (10.1) | 23.5 (17.5) |
| Power at 1,800 rpm—standby | hp (kW) | 12.2 (9.1) | 13.1 (9.8) | 15.4 (11.5) | 24.7 (18.4) |
| Fuel consumption—lights only* | gph (L/hr) | 0.301 (1.14) | 0.306 (1.16) | 0.340 (1.29) | 0.414 (1.57) |
| Fuel consumption—100% load* | gph (L/hr) | 0.59 (2.23) | 0.651 (2.46) | 0.858 (3.25) | 1.46 (5.53) |
| Run time (lights only) | hr | 187 | 187 | 165 | 140 |
| Run time (100% load) | hr | 95 | 85 | 65 | 38 |
| Oil Capacity | qt (L) | 5.0 (4.7) | 5.4 (5.1) | 5.3 (5.0) | 6.34 (6) |
| Oil Filter | — | Full flow, spin-on | Full flow, spin-on | Full flow, spin-on | Full flow, spin-on |
| Oil Filter Change Interval** | hr | 1,000 | 1,000 | 1,000 | 1,000 |
| Air Filter | — | Dry cartridge | Dry cartridge | Dry cartridge | Dry cartridge |
| Coolant capacity (includes engine) | qt (L) | 4.5 (4.3) | 4.5 (4.3) | 4.8 (4.5) | 4.8 (4.5) |

*Data based on engine manufacturer and field test data after 100-hr engine break-in period. Actual results may vary, according to factors such as age and maintenance of equipment, environmental conditions, and fuel density. For fuel and maintenance recommendations, see owner's manual.

**To achieve maximum service interval, replace oil filter after 50-hr break-in period. For oil filter model number, see parts manual.

MLT4000 Wide-Body Series

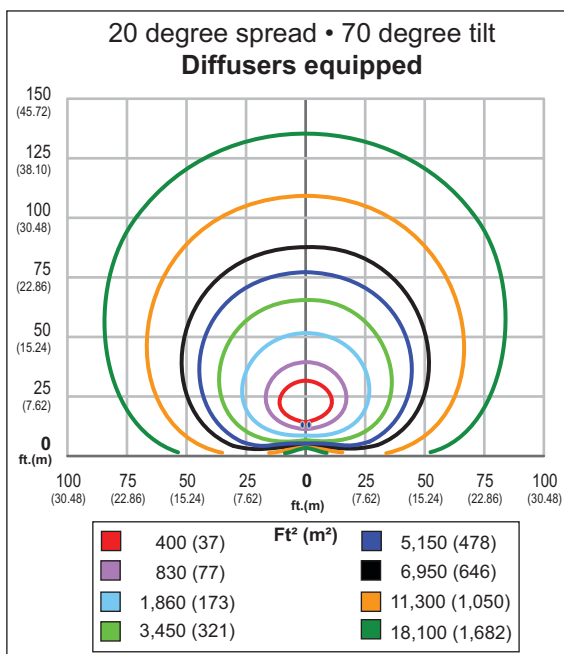
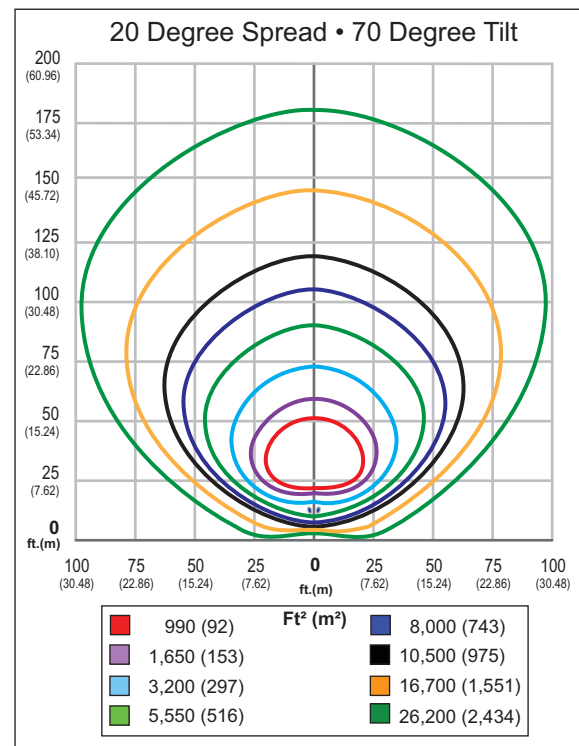
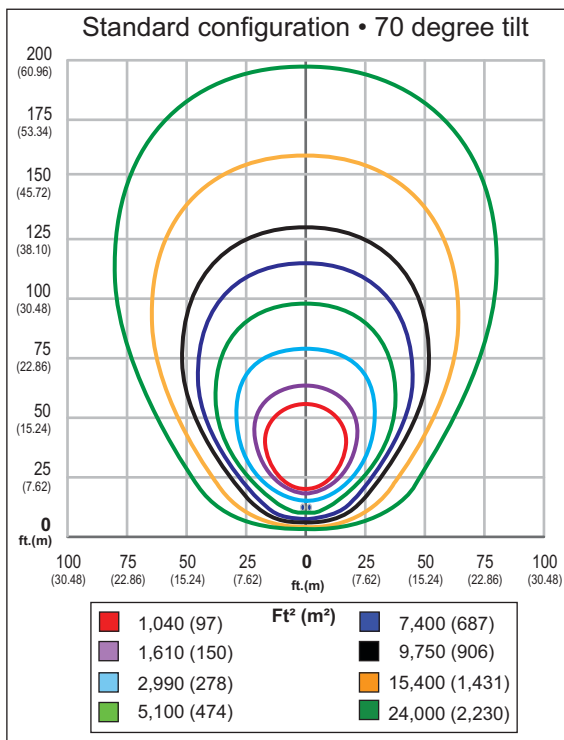
Lighting Specifications

Luminaires—LED

- Four 320 W LED fixtures
- Aluminum and polymer housing
- Efficiency: 147 lpw
- Lm/fixture: 47,000
- Total lm: 188,000
- Coverage at 0.5 ft-c or more: 26,200 ft² (2,434 m²)
- IP68 LED modules; IP65 rated drivers
- Fixture-mounted drivers
- Friction disc mounting for tool-free positioning

Illumination Maps

Boundary Color: ■ ■ ■ ■ ■ ■ ■ ■
 Foot Candles (ft-c): 30 20 10 5 3 2 1 0.5



Available Accessories*

MLT4000 Wide-Body Series

| Optional Configurations | MLT4060KV | MLT4060MV | MLT4080KV | MLT4150MV | Description |
|---------------------------------|-----------|-----------|-----------|-----------|--|
| Suggested Cold-Weather Options: | | | | | NOTE: Cold-weather options can be configured separately |
| 60/40 coolant | ✓ | ✓ | ✓ | ✓ | |
| Coolant heater | ✓ | ✓ | ✓ | ✓ | |
| Heated fuel filter | ✓ | ✓ | ✓ | ✓ | |
| 720 CCA AGM sealed battery | ✓ | ✓ | ✓ | ✓ | |
| Liquid containment | ✓ | ✓ | ✓ | ✓ | |
| Power Zone Plus controller | ✓ | ✓ | ✓ | ✓ | Advanced controller |
| Battery disconnect | ✓ | ✓ | ✓ | ✓ | Lever type for long-term storage |
| 2 in. ball—BULLDOG® | ✓ | ✓ | ✓ | ✓ | 2 in. BULLDOG ball hitch |
| 3 in. ring—adjustable | ✓ | ✓ | ✓ | ✓ | Pintle hitch |
| 2-5/16 in. ball | ✓ | ✓ | ✓ | ✓ | Ball hitch |
| Flat 4 to round 7 spade | ✓ | ✓ | ✓ | ✓ | Trailer connector adapter |
| Positive air shutdown | ✓ | ✓ | ✓ | ✓ | Required in some mining applications |
| Ground rod | ✓ | ✓ | ✓ | ✓ | For installation by a qualified technician |
| 5 lb. fire extinguisher | ✓ | ✓ | ✓ | ✓ | Installed to cabinet interior |
| BC_10A_3ST (battery charger) | ✓ | ✓ | ✓ | ✓ | Battery charger: 10 A, 3-stage |
| RPM quick drain | ✓ | ✓ | ✓ | ✓ | For faster oil draining and replacement |
| Diffused lens | ✓ | ✓ | ✓ | ✓ | Anti-glare, snap-on type |

*Additional options may be available. Please contact a sales representative or the factory for current options.

Additional Information

Warranty

- 1 year, unlimited hours/2 years, 2,000 hours
- LED lights: 5 year, limited

More Information

Owner's manual is available at:

www.generacmobileproducts.com/service-support/manuals

Unit Dimensions*

| | |
|---|------------------|
| A | 113 in (2.9 m) |
| B | 102 in (2.59 m) |
| C | 23.3 ft (7.11 m) |
| D | 70 in (1.78 m) |
| E | 140 in (3.56 m) |

*Dimensions are approximate.

