GENERAC | MOBILE

6/8/15 kW

WIDE-BODY LIGHT TOWER
4000 Series
Liquid Cooled Diesel Engine

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

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

TIER 4 FINAL

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.**

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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

Benefits

Enclosure

Heavy-duty, 14-gauge steel	For tough rental applications.
Stainless steel hinges on doors	Prevents oxidation and helps increase resale value.
UV and fade resistant, white polyester powder paint	Salt-spray tested to 1,000 hours.
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	Center-mounted lifting point allows lifting from above using chains or forklift, or lifting with on-site machinery.
Document holder with owner's manual	Includes AC and DC wiring diagrams.

Trailer

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

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THE LEADING LIGHT TOWER OPTION FOR

Construction Sites

Rental

Roadwork

Oil & Gas

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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

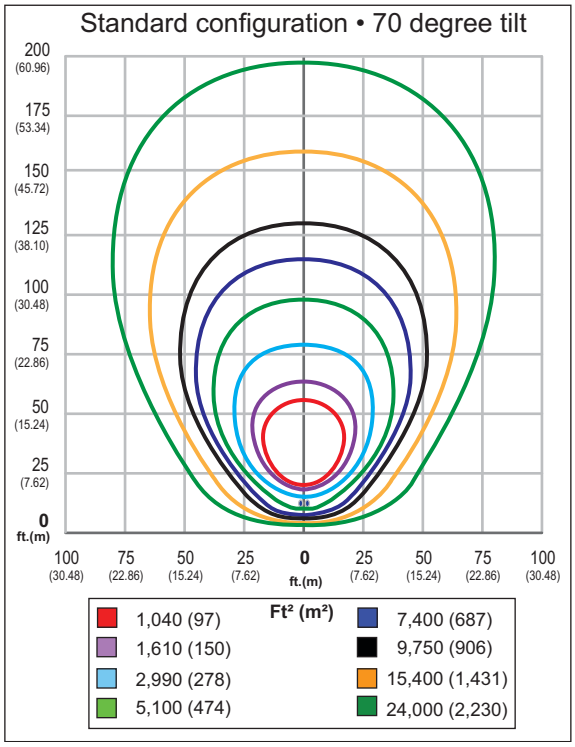
Lighting Specifications

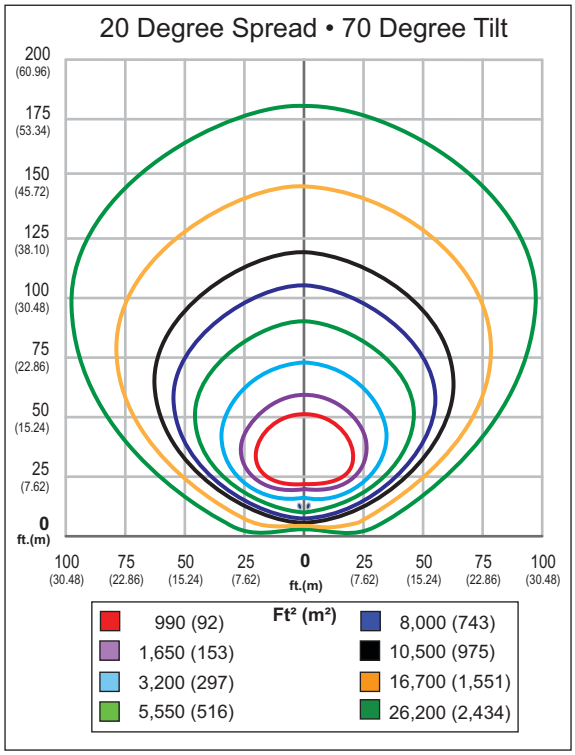
Luminaires—LED

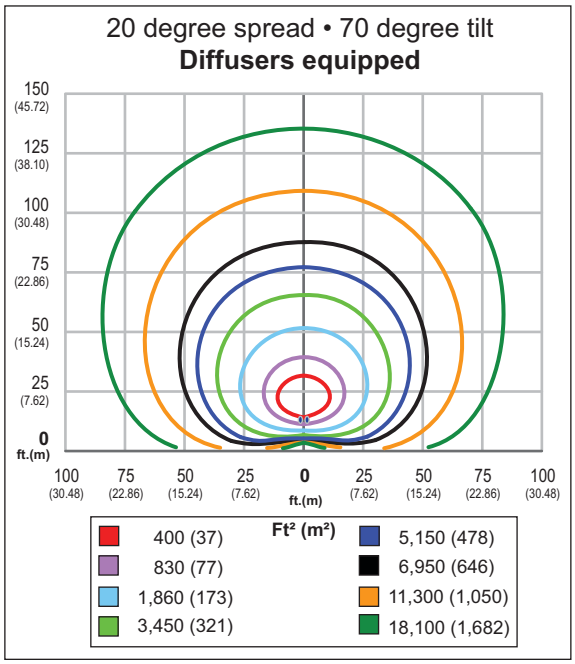
- Four 320 W LED fixtures
- Aluminum and polymer housing
- Efficiency: 147 lpw
- Lm/fixture: 47,000
- Total lm: 188,000
- Coverage at 0.5 ft-c or more: 26,200 ft^2 (2,434 m^2)
- IP68 LED modules; IP65 rated drivers
- Fixture-mounted drivers
- Friction disc mounting for tool-free positioning

Illumination Maps

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







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

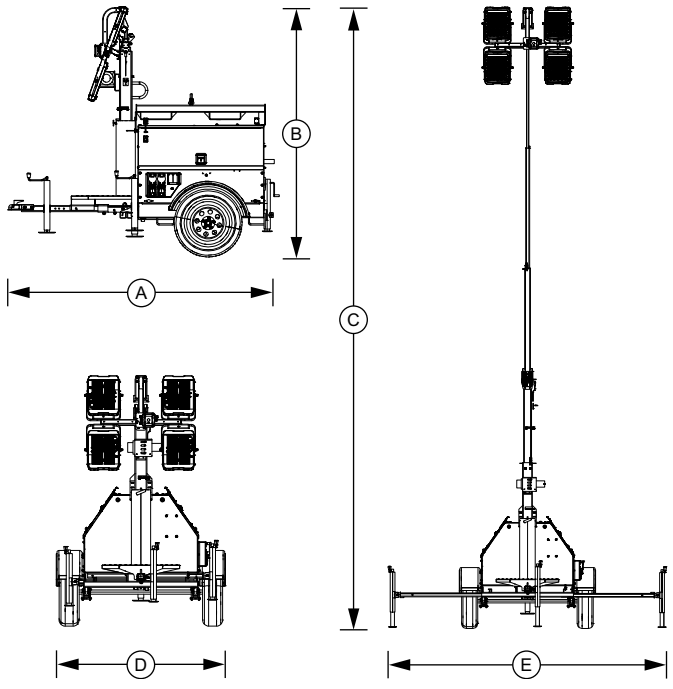
More Information

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.*



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