



BRILLIANT

Dependable lighting solutions,  
when the work continues after  
the sun goes down.



**Multiquip's LT6-Series Light Towers** are the perfect choice for job and event site illumination. The unit features a compact footprint and built in fork-lift pockets to ensure easy transportation and storage. Also, the trailer assembly is engineered to meet DOT regulatory requirements and provides full fluid containment to prevent fluids from contaminating the environment. Besides providing high lumen metal halide lighting, the engine/genset offers additional electrical power through convenient auxiliary receptacles located inside the cabinet.



## LT6K FEATURES

- Lamps - (4) 1000W Metal Halide
- Lumen Output - 440,000
- Lamp Connections - 3-pin quick disconnect
- Lamp Design - heavy steel/aluminum construction with heat sink
- Engine - KOHLER Tier 4 Final diesel
- Engine Power - 3-cylinder, 12HP at 1,800 RPM
- Engine Efficiency - 30 Gallon tank / 64 hour run time at 3/4 load
- Mast Design - telescoping (32') w/zinc dichromate plating
- Mast Operations - 360° rotation w/locking pin
- Generator Specifications - 120/240V 60Hz (±6% regulated)
- Generator Design - brushless, 6kW AC continuous operations
- Light Tower Design - full fluid containment
- Light Tower Support - (4) heavy-duty outriggers and adjustable jack stands
- Auxiliary Electrical Connections - (2) GFCI 120VAC 15A, (1) 120/240VAC 25A
- Trailer Design - DOT certified - wind stability 65 MPH w/ outriggers
- Light Tower Sound Signature - 68 dBA at 23'

## LT6K5

**LT6-Series is available in a 50Hz configuration with 230V auxiliary receptacles.**

### All standard LT6-Series features

- (4) Metal Halide lamps
- Kohler Tier IV diesel engine
- (1) Schuko 250VAC 16A receptacle
- Full specifications - page 8





The LT6-Series is outfitted with key design features that assure reliable performance in all types of demanding applications. The rugged DOT certified trailer, compact steel shell lamp design, and plated telescopic mast assembly all support the rigors and climates these towers are caused to operate.

## LAMP CONNECTIONS



Multiquip GB2000 shown mounted

The LT6-Series offers a simple and easy method of lamp connections through 3-pin quick disconnect couplers. This design permits expedient troubleshooting of lamps as well as fast set-up for optional GloBug diffused lighting systems that require connection to the electrical ballasts.

## SERVICEABILITY



Ease of control panel operations, scheduled maintenance, and serviceability is supported by oversized (20" x 41") access doors with lockable door handle and hood locking latches.

## CONTROL PANEL



The LT6K offers a versatile control box that features: an Hour Meter, (1) NEMA L14-30R twist lock 120/240VAC 30A receptacle, (1) duplex GFCI 120VAC 15A receptacle, support circuit breakers, and panel light.

## ENVIRONMENTALLY AWARE



The LT6-Series provides a fuel efficient KOHLER liquid cooled diesel engine, low decibel signature, compact unit footprint to maximize flatbed transportation, and full fluid containment tub design.

The MLT (Modular Light Tower) provides an extremely flexible mobile platform to provide job-site lighting; plus, allows for included support generators and generator-welders to permit self-sustaining operations. The MLT provides four 1000W Metal Halide lamps, telescopic mast assembly, 30 gallon fuel tank, mounted on a DOT certified trailer. This unit has the electrical plumbing necessary to tie into an electrical power source for lighting operations. Once a generator or generator-welder is added to the frame, the unit can now be operated in remote environments and provide additional electrical support.

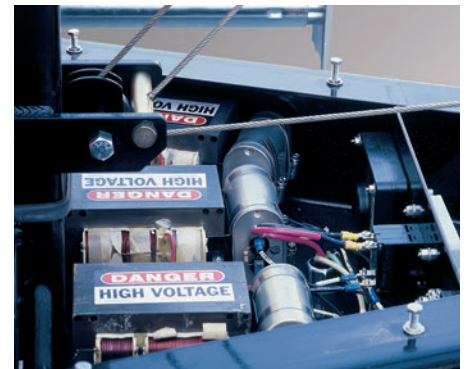


### MLT FEATURES

- Lamps - (4) 1000W Metal Halide
- Lumen Output - 440,000
- Lamp Connections - 3-pin quick disconnect
- Lamp Design - heavy steel/aluminum construction with heat sink
- Mast Design - telescoping (30') w/zinc dichromate plating
- Mast Operations - 360° rotation w/locking pin
- Light Tower Design - provides platform for generator placement
- Light Tower Electrical Design - NEC/NEMA certified L14-30P plug
- Trailer Design - DOT certified - wind stability 45 MPH w/o generator
- Mast Design - collection tube for greater coil cord protection
- Trailer Design - ballast compartment built into the trailer for security
- Trailer Design - industrial torsion-spring axles to minimize road vibration
- Trailer Design - zinc dichromate plated outriggers to resist corrosion
- Trailer Design - built-in 30 Gallon fuel cell
- Light Tower Design - provides platform for generator placement
- Light Tower Electrical Design - NEC/NEMA certified L14-30P plug



The MLT connects to a line power or to a generator through a 125V/150V, 30A L14-30P twist lock plug.



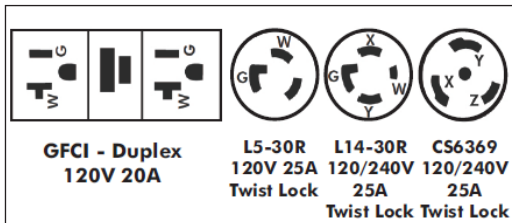
Each floodlight requires a ballast for starting. They are built into the tongue of the trailer in an easy to service weather resistant compartment. An internal fan ensures proper cooling. The light control panel is positioned outside the compartment and contains (2) single-pole 20A ON/OFF circuit breakers.

The **MLTDA7** represents a revolutionary concept in light tower design. The versatile nature of this modular unit permits 440,000 lumens of lighting and external electrical power operations via the trusted Multiquip DA7000SSA1 genset. Mounted on a rugged mobile DOT certified trailer, and equipped with a 30 gallon fuel tank, the MLTDA7 can provide lighting operations for 48 hours. Further, the light tower mast assembly can be removed from the trailer frame to provide a compact towable generator package.

**MLTDA7  
FEATURES**

- Lamps - (4) 1000W Metal Halide
- Lumen Output - 440,000
- Lamp Connections - 3-pin quick disconnect
- Lamp Design - heavy steel/aluminum construction with heat sink
- Engine - KUBOTA Tier 4 Final diesel
- Engine Power - 11.9HP at 3,600 RPM
- Engine Efficiency - 30 gallon tank; 48 HR run time at 3/4 load
- Mast Design - telescoping (30') w/zinc dichromate plating
- Mast Operations - 360° rotation w/locking pin
- Mast Design - collection tube for greater coil cord protection
- Generator Specifications - 120/240V 60Hz (± 2.5% regulated)
- Generator Design - brushless, 7kW AC class F
- AUX Electrical Connections - (2) GFCI 120VAC 15A , (1)
- Trailer Design - DOT certified - wind stability 72 MPH w/ outriggers
- Trailer Design - ballast compartment built into the trailer for security
- Trailer Design - industrial torsion-spring axles to minimize road vibration
- Trailer Design - zinc dichromate plated outriggers to resist corrosion
- Trailer Design - built-in 30 Gallon fuel cell
- Light Tower Sound Signature - 65.7 dBA at 23'
- Light Tower Electrical Design - NEC/NEMA certified L14-30P plug

**DA7000SSW1 Receptacle Panel**





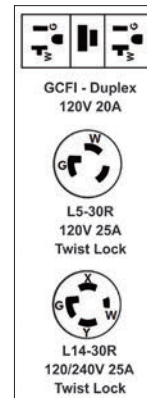
One of the most versatile investments in the towable lighting market is the Multiquip MLTSDW7. This modular unit features the premium SDW225SSA1 welder/generator, and four metal halide lamps on the Modular Light Tower (MLT) frame. This combination provides a mobile, three-in-one multipurpose unit ready to provide light, electrical power, and welding operations. As a welder, this unit provides outstanding arc characteristics for constant current (CC) or constant voltage (CV) operations. As a generator, the operator is afforded 6kW 120/240V 50/25A continuous power with exceptional  $\pm 2\%$  voltage regulation. The MLTSD7 is supported by an industrial DOT approved trailer with 30 gallon fuel capacity.

## MLTSDW7 FEATURES

- Lamps - (4) 1000W Metal Halide
- Lumen Output - 440,000
- Lamp Connections - 3-pin quick disconnect
- Lamp Design - heavy steel/aluminum construction with heat sink
- Engine - KUBOTA Tier 4 Final diesel
- Engine Power - 11.9HP at 3,600 RPM
- Engine Efficiency - 30 gallon tank; 48 hour run time at 3/4 load
- Welder Model - Whisperweld SDW225SSA1
- Welder Range - [CV] 200A 15-28V, [CC] 200A 50-225A
- Welder Duty Cycle - 200A - 100%
- Mast Design - telescoping (30') w/zinc dichromate plating
- Mast Operations - 360° rotation w/locking pin
- Mast Design - collection tube for greater coil cord protection
- Generator Specifications - 120/240V 60Hz ( $\pm 2.0\%$  regulated)
- Generator Design - brushless, 6kW AC class F
- Auxiliary Electrical Connections - (2) GFCI 120VAC 15A, (1) L5-30R 25A
- Auxiliary Electrical Connections - (1) L14-30R 25A
- Trailer Design - DOT certified - wind stability 72 MPH w/ outriggers
- Trailer Design - ballast compartment built into the trailer for security
- Trailer Design - industrial torsion-spring axles to minimize road vibration
- Trailer Design - zinc dichromate plated outriggers to resist corrosion
- Trailer Design - built-in 30 Gallon fuel cell
- Light Tower Sound Signature - 68.7 dBA at 23'
- Light Tower Electrical Design - NEC/NEMA certified L14-30P plug



**MLTSDW7  
Receptacle Panel**



**ALL-IN-ONE** - The MLTSDW7 is the industry's only light tower offering the versatility of a premier generator plus high quality CC/CV welding capability.

Model	MLT	MLTDA7	MLTDAC7	MLTSDW7
<b>Engine</b>				
Engine Manufacturer	N/A	Kubota Z482	Kubota Z482	Kubota Z482
EPA/Tier	N/A	Tier 4 Final	Tier 4 Final	Tier 4 Final
Cylinders	N/A	2	2	2
Family	N/A	8KBXL.7 19KCC	8KBXL.719KCC	8KBX L.719KCC
Horsepower	N/A	12.5	12.5	12.5
Rated Speed- RPM	N/A	3600	3600	3600
Engine protection	N/A	High temp/low oil	High temp/low oil	High temp/low oil
Vibration isolation	N/A	Yes	Yes	Yes
Manifold exhaust direction	N/A	Up	Up	up
Sound Level dB @ 23ft	N/A	65.7	65.7	65.7
<b>Fuel Tank</b>				
Fuel Capacity-gal (ltr)	30	30	30	30
Running time-hr	N/A	48 hrs @ 3/4	48 hrs @ 3/4	48 hrs @ 3/4
Fuel consumption Gal. hr	N/A	0.625	0.625	0.625
Fill Neck opening	2 "	2"	2"	2"
Fuel Pump	N/A	Mechanical	Mechanical	Mechanical
<b>Trailer</b>				
Axle Capacity	2000 lbs.	2000 lbs.	2000 lbs.	2000 lbs.
Tire size	13 in.	13 in.	13 in.	13 in.
Standard Hitch Type	2" Ball	2" Ball	2" Ball	2" Ball
Support points	4	4	4	4
Suspension Type	Torsion spring axle	Torsion spring axle	Torsion spring axle	Torsion spring axle
<b>Generator</b>				
Excitation	N/A	Brushless	Brushless	Brushless
Model	N/A	DA7000SSA1	DA7000SSA 1	SDW22 5SSA 1
Insulation	N/A	Class F	Class F	Class F
Wattage (KW) Max.	N/A	7000	7000	7000
Wattage (KW) Cont.	N/A	6000	6000	6000
Voltage	N/A	120/240	120/240	120/240
Frequency-Hz	60Hz	60Hz	60Hz	60Hz
RPM	N/A	3600	3600	3600
Regulation ±	N/A	± 2.5%	± 2.5%	± 2%
<b>Control Panel</b>				
Individual breakers/Light	No	No	No	No
Hour meter	N/A	Yes	Yes	Yes
Cabinet Night Light	N/A	N/A	N/A	N/A
<b>Lights</b>				
Color	Bright White	Bright White	Bright White	Bright White
Lamps	(4) 1000W Metal Halide	(4) 1000W Metal Halide	(4) 1000W Metal Halide	(4) 1000W Metal Halide
<b>Dimensions</b>				
L x W x H (Inches)	173 X 50 X 70	173 X 50 X 70	173 X 50 X 70	173 X 50 X 70
Mast Deployed	30 Feet	30 Feet	30 Feet	30 Feet
Weight DRY (lbs)	1062	1588	1588	1768
Notes	Modular Light Tower Frame/Lights only		Generator meets CSA requirements	

## HITCHES

MLT-Series Light towers ship with an adjustable 2" Ball Hitch (29228) mounted to the tongue. Optional 3" pintle hitch mount kit (29369) is available.

### Standard Hitch



29228

### Accessory Hitches



29369



Model	LT6K	LT6K5
<b>Engine</b>		
Engine Model	Kohler KDW 1003 Diesel	Kohler KDW 1003 Diesel
Family	DKHXL1.375F2	DKHXL1.375F2
EPA/Tier	Tier 4 (F)	Tier 4 (F)
Engine Start	Electric	Electric
Battery (Standard type)	Group 24 - 550 CA	Group 24 - 550 CA
Cylinders	3	3
Displacement	62.73 cu.in. (1,028 cc)	62.73 cu.in. (1,028 cc)
Horsepower @ 1,800 RPM	12	12
Rated Speed-RPM	1800	1,500
Engine Protection	High Temp / Low Oil	High Temp / Low Oil
Vibration Isolation	Yes	Yes
Oil Sump Capacity	2.64 US qts. (2.5 liters)	2.64 US qts. (2.5 liters)
Engine Cooling	Liquid 5.18 qts. (4.9 liters)	Liquid 5.18 qts. (4.9 liters)
Manifold Exhaust Direction	Rear of Cab	Rear of Cab
Sound Level dB @ 23 ft.	68 dB	68 dB
<b>Fuel Tank</b>		
Fuel Capacity (Usable)	30 gal.	30 gal.
Running time-hr.	64 hrs. @ ¾	64 hrs. @ ¾
Fuel Consumption	0.47 gal./hr.	0.47 gal./hr.
Fill Neck Opening	3"	3"
Fuel Pump	Mechanical	Mechanical
<b>Trailer</b>		
Axle Capacity	2,000 lbs.	2,000 lbs.
Tire Size	13 in.	13 in.
Standard Hitch Type	2" Ball	2" Ball
Support Jacks	(4) - 2,000 lb. Rating	(4) - 2,000 lb. Rating
Suspension Type	4-Leaf Springs	4-Leaf Springs
Tail Light Connector	4-Pin	4-Pin
<b>Generator</b>		
Generator	Mecc Alte	Mecc Alte
Model	LT 3N-100/4	LT 3N-130/4
Type	Brushless	Brushless
Insulation	Class H	Class H
Phase	Single	Single
Wattage (KW) Max.	7000	7000
Wattage (KW) Cont.	6000	6000
Voltage	120/240	240
Amperage	50/25	25
Frequency-Hz	60Hz	50Hz
RPM	1,800	1,800
Regulation ±	± 6%	± 6%
<b>Control Panel</b>		
Individual Breakers/Light & Power	Yes	Yes
External Receptacle	(2) 120VAC 15A	(1) Schucko Receptacle 250V/20A
External Receptacle	(1) Twist Lock 120/240VAC [50A/25A]	
Hour Meter	Yes	Yes
<b>Lighting</b>		
Construction	Solid Aluminum Shell w/ Heat Sink Fins	Solid Aluminum Shell w/ Heat Sink Fins
Lamps	(4) 1,000W Metal Halide	(4) 1,000W Metal Halide
Bulb Shock-Mounts	Yes	Yes
Lumens	440,000	440,000
Color	Bright White	Bright White
Light Coverage	5-7 acres	5-7 acres
Lamp Connection	3-Pin Quick Disconnect	3-Pin Quick Disconnect
Wind Capacity	65 mph.	65 mph.
<b>Mast</b>		
Construction	Anti-Corrosion Zinc Dichromate Coated	Anti-Corrosion Zinc Dichromate Coated
Sections	4	4
Rotation	360°	360°
Positive Mast Position Locking	Yes	Yes
Telescoping Length (MAX)	32 ft.	32 ft.
Winch Operations	(2) Mechanical 1,500 lb. Capacity	(2) Mechanical 1,500 lb. Capacity
<b>Cabinet</b>		
Tub Design	Total Fluid Containment	Total Fluid Containment
Cabinet Night Light	Yes	Yes
Service Doors	(2) Lockable Latch w/ Door Stays	(2) Lockable Latch w/Door Stays
External Power Cord(s) Access	Yes	Yes
<b>Dimensions</b>		
L x W x H (Operational)	128" x 79" x 378"	128" x 79" x 378"
Weight DRY (lbs.)	1,492 lbs.	1,492 lbs.

LT6-Series light towers ship with a 2" Ball hitch coupler (29546) mounted to the tow bar.

Optional accessories:

Fixed Pintle (34953)

Height Adjustable 2" Ball (34959)

2 5/16" Ball (34960)

Pintle (34598)

**Standard Hitch**



#29546

**Accessory Hitches**



#34953



#34959 (2")



#34960 (2 5/16")



#34958

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