



# Light Towers



**Dependable jobsite lighting**



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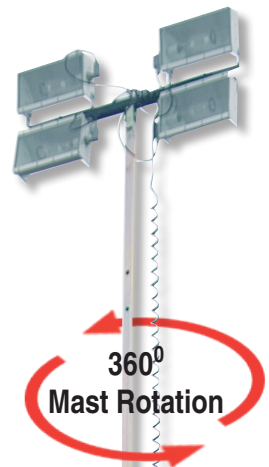


# Night Hawk Light Towers

The **LT-12D** is the perfect choice for illuminating construction sites, outdoor events or industrial applications. Four 1,000-watt metal halide lamps provide powerful illumination. A 12 HP Kohler diesel engine provides trusted performance, low maintenance costs, excellent fuel economy and reliable operations. Convenient external 120/240V AC power receptacles support small equipment and hand tool operations.

## Features

- Industrial Trailer Frame
- Tier IV Kohler Diesel Engine
- 3-Cylinder Liquid-Cooled 12HP
- 6kW AC Power
- 120/240V 60 Hz ( $\pm$  6% regulated) Amps at 120/240V - 50/25
- Trusted Brushless Alternator Design
- Quiet Operation - 73 dBA @ 23ft
- Lights - (4) 1000W Metal Halide
- Lumens - 440,000
- Telescoping Zinc Dichromate Mast (up to 32ft)
- 360° Mast Rotation
- Fuel Capacity - 30 Gals. 64 HR. Run Time at 3/4 load
- Wind Stability - 65 MPH
- (5) Heavy-Duty Jack Support Outriggers
- \*50 HZ Models Available



The engine control panel is protected from the elements and provides simple navigation and service for the start switch,



light switches, and all breakers. The control panel lights automatically activate when the access door is opened.



Convenient external power receptacles with heavy-duty enclosures and receptacles

- \* (1) GFCI 120V 20A Duplex
- \* (1) L14-30R 120/240V 25A Twist Lock

[Enclosures only for 50hZ Models]





# Night Hawk Light Tower

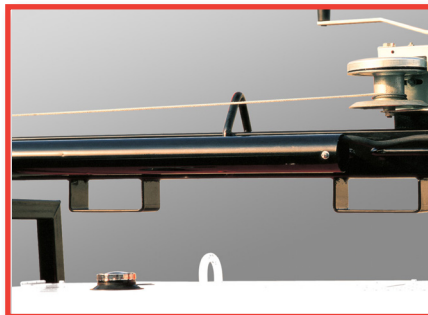


- Rugged Light Fixtures
- Trusted Power Generator
- Top Quality mast Assembly
- Industrial Trailer

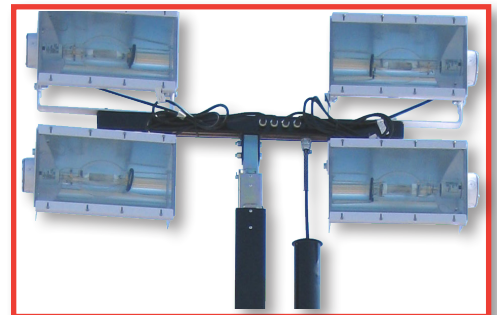
## Reliable Lighting Solutions



Patented mast extension spring eliminates 'Kick' for smooth operation permit the tower to operate at angles other than full vertical; plus allows a smoother raise/lower operation.



The Night Hawk Light Towers offer designs and components that withstand the harsh usage found in the construction industry. The heavy-duty zinc dichromate mast assembly is supported with rugged locking bays, independent ratchet systems and winches with automatic braking features. Convenient fork lift pockets assist in transit and storage.



The four 1,000W lamp fixtures offer a tough extruded aluminum housing that tackles harsh weather operating conditions. Each light is fully adjustable. Each lamp is controlled and protected by its singular circuit breaker. Also, the mast swivels to accommodate 360° coverage and has a firm lock-in-place fastener.



# MLT Series - Model MLT

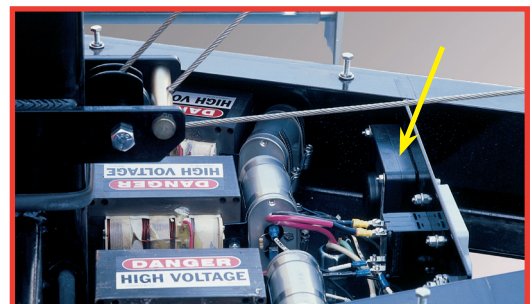
The **MLT** represents the base unit for the MLT - Series light towers. The unit is offered without a power source for contractors/operators who already own a Multiquip DA7000SSA1 generator or SDW225SSAI welder. In addition, the MLT can easily connect to an alternate external power source to provide lighting for indoor/outdoor applications.



## Features

- **Cross Drilled T-Bar** - provides choice of vertical or horizontal mounting
- **Aluminized Collection Tube** - increased corrosion resistance
- **Cable Grip Strain Relief** - reduces fatigue on the tower electrical lead
- **Superior Wind Stability** - 45 mph w/o generator
- **Industrial Winch and Ratchet System** - 1,500 lb. capacity
- **Zinc Dichromate Tower Sections** - for strength, corrosion resistance
- **L14-30P Plug** - for power connections, NEC/NEMA approved
- **Ballast Box Built Into Trailer Tongue** - secure, water tight
- **Mast Tension Spring** - operate at all angles, no 'spring kick'
- **Industrial Torsion-Spring Axles** - minimizes travel vibrations
- **(4) Rugged 1000W Metal Halide Lamp Fixtures**
- **Rugged Captive Locking Pins With Tower Resting Saddle**
- **Quick-Disconnect Light Wiring Fixtures**
- **Zinc Dichromate Outriggers & Socket Tubes w/ Locking Pins**
- **Mast Fork Lift Pockets**

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.



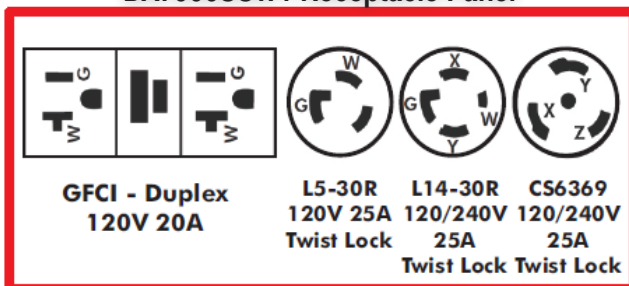
# MLT Series - Model MLTDA7

The **MLTDA7** represents a revolutionary concept in Light Tower design. The versatile nature of this tower permits lamp and External Power operations via the DA7000SSA1 gen set or allows for the lamps to operate separately from an external power source. Further, the Light Tower mast assembly can be removed from the unit to provide a compact towable generator package.

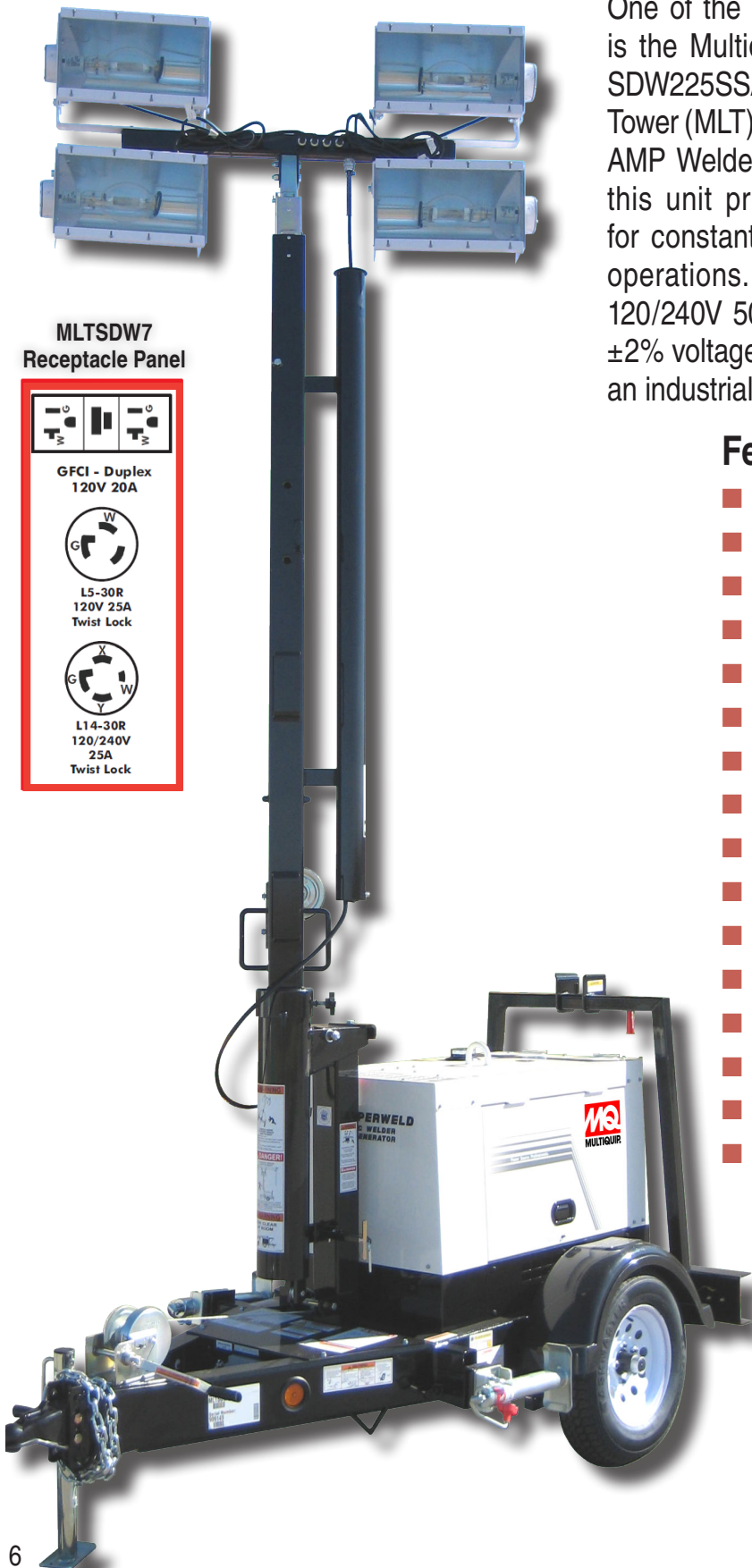
## Features

- Industrial Multiquip MLT Trailer Frame
- Powerful DA7000SSW1 Generator
- Tier IV Kubota Z482 Diesel Engine
- Liquid-Cooled 12.5HP, 7kW Power
- 120/240V 60 Hz (± 2.5% Regulated)
- Amps at 120/240V - 50/25
- Trusted Brushless Alternator Design
- Quiet Operating - 65.7 dBA @23 feet
- Full Range Of Electrical Receptacles
- Lights - (4) 1000W Metal Halide
- Lumens - 440,000
- Fuel Capacity - 30 Gals.
- Wind Stability - 72 MPH
- (4) Heavy -Duty Jack Support Outriggers

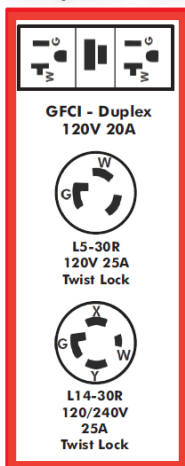
DA7000SSW1 Receptacle Panel



# MLT Series - Model MLTSDW7



**MLTSDW7  
Receptacle Panel**



One of the most versatile investments in the market is the Multiquip **MLTSDW7**. MQ offers its premium SDW225SSA1 Welder/Generator on the Modular Light Tower (MLT) frame to provide a quality Light Tower, 225 AMP Welder/6 kW Generator package. As a welder, this unit provides outstanding arc characteristics for constant current (CC) or constant voltage (CV) operations. As a generator, this unit offers 6 kW 120/240V 50/25A continuous power with exceptional  $\pm 2\%$  voltage regulation. The MLTSD7 is supported by an industrial trailer with 30 gal fuel capacity.

## Features

- Industrial Multiquip MLT Trailer Frame
- Whisperweld SDW225SSA1 Welder /Generator
- Tier IV Kubota Z482 Diesel Engine
- Liquid-Cooled 12.5HP, 7kW Power
- 120/240V 60 Hz ( $\pm 2.5\%$  Regulated)
- Amps at 120/240V - 50/25
- DC Welder Voltage Range - 15 to 225
- DC Welder Duty Cycle @ 200A - 100%
- DC Welder Current Range Amps - 50 to 225
- Trusted Brushless Alternator Design
- Quiet Operating - 68.7 dBA @23ft
- Full Range of Electrical Receptacles
- Lights - (4) 1000W Metal Halide
- Lumens - 440, 000
- Fuel Capacity - 30 Gals.
- Wind Stability - 72 MPH





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.



# MLT Series Specifications

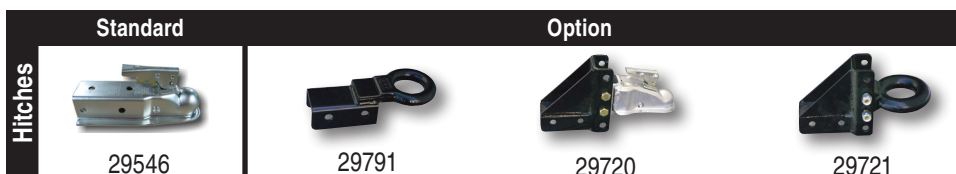
Model	MLT	MLTDA7	MLTDAC7	MLTSDW7
<b>Engine</b>				
Engine Manufacturer	N/A	Kubota	Kubota	Kubota
Engine Model	N/A	Z482	Z482	Z482
EPA/Tier	N/A	Tier 4	Tier 4	Tier 4
Cylinders	N/A	2	2	2
Family	N/A	8KBXL.719KCC	8KBXL.719KCC	8KBXL.719KCC
Horsepower	N/A	12.5	12.5	12.5
Rated Speed-RPM	N/A	3600	3600	3600
Engine 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 @ 23 ft	N/A	65.7	65.7	68.7
<b>Fuel Tank</b>				
Fuel Capacity-gal (ltr)	30	30	30	30
Running time-hr	N/A	48 hrs @ ¾	48 hrs @ ¾	48 hrs @ ¾
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	DA7000SSA1	SDW225SSA1
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	60 Hz	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
<b>Notes</b>	Modular Light Tower Frame/Lights only		Generator meets CSA requirements	

Hitches	Standard	Option
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.	 29228	 29369

# Night Hawk Specifications

Model	LT-12D	LT12D50SA	LT12DAB
<b>Engine</b>			
Engine Manufacturer	Kohler	Kohler	Kohler
Engine Model	KDW1003 Diesel	KDW1003 Diesel	KDW1003 Diesel
Family	8LBDL1.37SF1	8LBDL1.37SF1	8LBDL1.37SF1
Spec.	PA-KDW 1003-5005	PA-KDW 1003-5005	PA-KDW 1003-5005
EPA/Tier	Tier 4	Tier 4	Tier 4
Cylinders	3	3	3
Horsepower (Cont.)	12	12	12
Rated Speed-RPM	1800	1500	1500
Engine protection	High temp/low oil	High temp/low oil	High temp/low oil
Vibration isolation	Yes	Yes	Yes
Manifold exhaust direction	rear of cab	rear of cab	rear of cab
Sound Level dB @ 23 ft	73	73	73
<b>Fuel Tank</b>			
Fuel Capacity-gal (ltr)	30	30	30
Running time-hr	64 hrs @ ¾	64 hrs @ ¾	64 hrs @ ¾
Fuel consumption Gal. hr	0.47	0.47	0.47
Fill Neck opening	3"	3"	3"
Fuel Pump	Mechanical	Mechanical	Mechanical
<b>Trailer</b>			
Axle Capacity	2000 lbs.	2000 lbs.	2000 lbs.
Tire size	13 in.	13 in.	13 in.
Standard Hitch Type	2" Ball	2" Ball	2" Ball
Support points	5	5	5
Suspension Type	3-leaf	3-leaf	3-leaf
<b>Generator</b>			
Generator Manufacturer	Mecc Alte	Mecc Alte	Mecc Alte
Model	LT3 100 - Brushless	LT3 110 - Brushless	LT3 110 - Brushless
Insulation	Class H	Class H	Class H
Wattage (KW) Max.	7000	6000	6000
Wattage (KW) Cont.	6000	5000	5000
Voltage	120/240	230	230
Frequency-Hz	60Hz	50Hz	50Hz
RPM	1800	1500	1500
Regulation ±	± 6%	± 6%	± 6%
<b>Control Panel</b>			
Individual breakers/Light	Yes	Yes	Yes
Hour meter	Yes	Yes	Yes
Cabinet Night Light	Yes	Yes	Yes
<b>External Receptacles</b>			
	(1) NEMA L14-30 30A-125V/250V	N/A	N/A
	Duplex 15A 120V GFCI	2 Covered Openings	2 Covered Openings
<b>Lights</b>			
Color	Bright White	Bright White	Bright White
Lamps	(4) 1000W Metal Halide	(4) 1000W Metal Halide	(4) 1000W Metal Halide
<b>Dimensions</b>			
L x W x H (Inches)	170 x 51 x 74	170 x 51 x 74	170 x 51 x 74
Mast Deployed	32 Feet	32 Feet	32 Feet
Weight DRY (lbs)	1610	1610	1610

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LT12 Night Hawk Towers ship with a 2" Ball Coupler (29546) mounted to the tow bar. Optional fixed Pintle (29791), height adjustable 2" Ball (29720) and Pintle (29721) are available.

\* Engine power ratings are calculated by the individual engine manufacturer and the rating method may vary among engine manufacturers. Multiquip Inc. and its subsidiary companies makes no claim, representation or warranty as to the power rating of the engine on this equipment and disclaims any responsibility or liability of any kind whatsoever with respect to the accuracy of the engine power rating. Users are advised to consult the engine manufacturer's owners manual and its website for specific information regarding the engine power rating.

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