

Hybrid Solar Light Tower

Light Tower Series



ABOUT OUR TOWER

The **Sunray™ LTS Hybrid Solar Light Tower** was designed to operate as a diesel/solar tower in bright mode and as a solar tower in low mode. This combination provides 300W of LED light for demanding applications where bright light is required, but sunlight is insufficient. The automatic generator periodically cycles on to recharge the batteries when they are depleted. In areas where less light is required, the 100W setting allows the tower to function mostly from available sunlight. With the backup generator, your tower will always be operational despite geographic conditions.

Proprietary engineered LED drivers provide efficient power to the LED lamps with three brightness settings from which to select. This gives the user complete control over brightness vs. battery performance. Select from 100W, 200W, or 300W settings and up to 188,000 lumens. These high performance light fixtures are designed to maximize light utility with very little "lost" light. To maximize battery life, the control is equipped with several selections like automatic on/off at dusk and dawn and settable run times from 3 to 12 hours. To maximize charge time, we made the solar array tiltable to 40°.

Easy-to-read meters let you quickly determine the best orientation to collect sunlight. A built-in charger with an external charge receptacle makes it simple to charge the maintenance-free battery bank if needed.

Features

- ✓ Solar and engine charging with hybrid technology to decrease engine emissions and maximize output
- ✓ Long run time with self-starting and stopping capabilities
- ✓ Advanced engine control
- ✓ 100W, 200W and 300W settings
- ✓ Heavy duty design
- ✓ Simple hourly and daily timer

Applications



TRAFFIC

Can be easily maneuvered, set up and controlled to work effectively in most traffic settings



CONSTRUCTION

A fitting option for construction conditions where reliable lighting sources are needed



MINING

Works well, both in function and sustainability, in many mining scenarios



UTILITIES

Multipurpose use for utility organizations that rely on functional, sturdy equipment



SECURITY

Ideal for temporary locations with either poor, substandard or no lighting



Mast

| | |
|----------------|---|
| Mast height up | 20' |
| Mast down | 10' |
| Mast base | 5" square, 3/16" wall, easy glide, with welded turn handles |
| Mast type | Three stage with light stored vertically, 360° rotation |
| Mast cable | 3/16" wire rope, 4,200 breaking strength |
| Winch type | 2500 lb, double disc, self-braking, electric (optional) |

Lamps

| | |
|-------------|--|
| Type | High intensity LED's |
| Housing | Formed Aluminum |
| Orientation | Each lamp tilts and turns, all lamps can tilt 90° - 180° to create down lighting |
| Lens | Molded 60° |
| Control | Lamps can be turned on individually |
| Power Tilt | Optional |

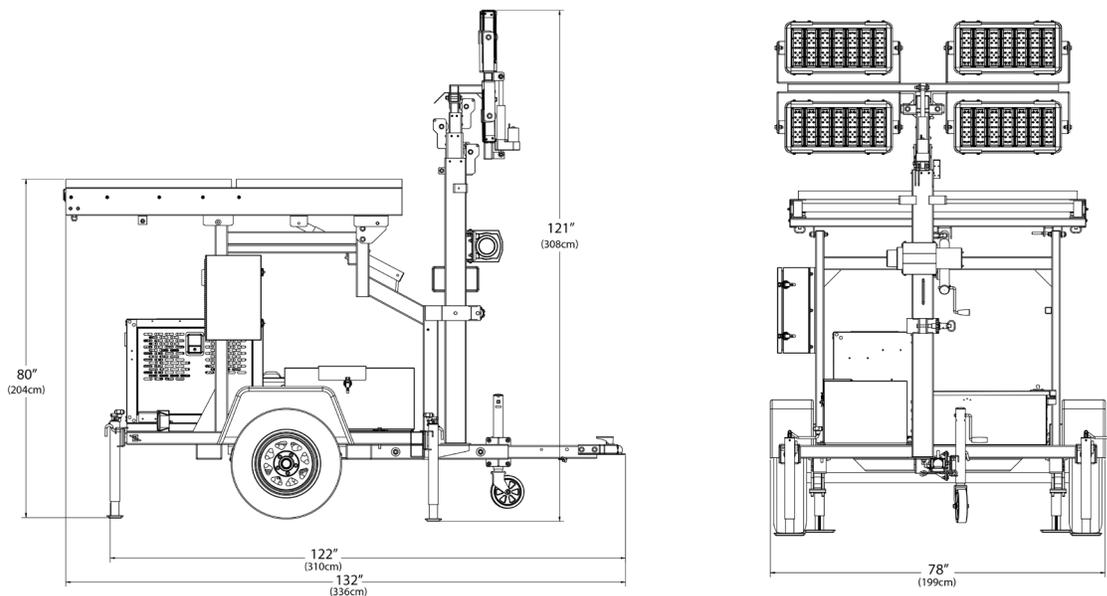
Power Source

| | |
|--------------------|--|
| Collectors | Polycrystalline, nested in steel frame, anti-theft fasteners |
| Output | 24v |
| Meters | Momentary, LED type, one for each collector |
| Collector tilt | 0° to 60° via a manual crank |
| Charger | 30A, 24v, fan cooled, external plug |
| Batteries | AGM sealed, 12v wired for 24v |
| Battery controller | 30A, PWM type |
| Photocell | Manual or dusk to dawn operation |
| Timer | 3, 6, 9 and 12 hours plus Monday through Sunday |

Trailer

| | |
|----------------------|---|
| Width Across Fenders | 78" |
| Length | 121" |
| Axle | 3500 lb |
| Tires And Wheels | ST205/75D15 load range C |
| Hitch | 2" ball coupler with other options |
| Draw Bar | 3" square tube, 3/16" wall, removable |
| Weight | 3400 lbs |
| Battery Box | 14 ga. formed steel, anti-theft, dual hidden shackle solid security locks |
| Jacks | (4) swing type, 2000 lb ea., (1) wheel type on draw bar. (2) slide out jacks at rear |
| Brakes | Surge type |

Dimensions



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