

LTS 160N - 750

Light Tower Series

ABOUT OUR TOWER

The new narrow **Sunray™ LTS 160N Solar Light Tower** features all the attributes of our current light tower in a narrow package to increase the number of towers that can be transported in a single trip. Four heavy duty LED light fixtures with ultra-high intensity, state-of-the-art LED's and replaceable modules to keep future replacement cost down. Proprietary engineered LED drivers provide efficient power to the LED lamps with three brightness settings from which to select giving the user complete control over brightness vs. battery performance. Select from 40W, 85W or 160W settings and up to 105,000 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 including 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 easy to charge the maintenance-free battery bank if needed.

Features

- ✓ Optional LCD touch screen with instant monthly performance feedback when selecting lamp brightness and energy saving mode
- ✓ No fuel, no fuel trips, no fuel spills, no fuel bills
- ✓ Virtually maintenance free: no engine, no alternator Power saving mode
- ✓ Optional Motion Sensor
- ✓ Low battery power indicator visible from a distance



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	236"
Mast down	105"
Mast base	5" square, 1/8" wall, easy glide
Mast type	Three stage with light stored vertically with turnable head
Mast cable	1/4", 3/16" wire rope, 4,200 breaking strength
Winch type	2500lb, double disc, self-braking

Lamps

Type	High intensity LED's
Housing	Cast 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

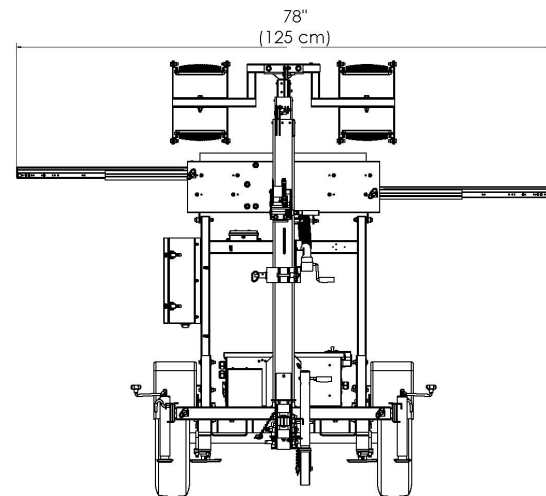
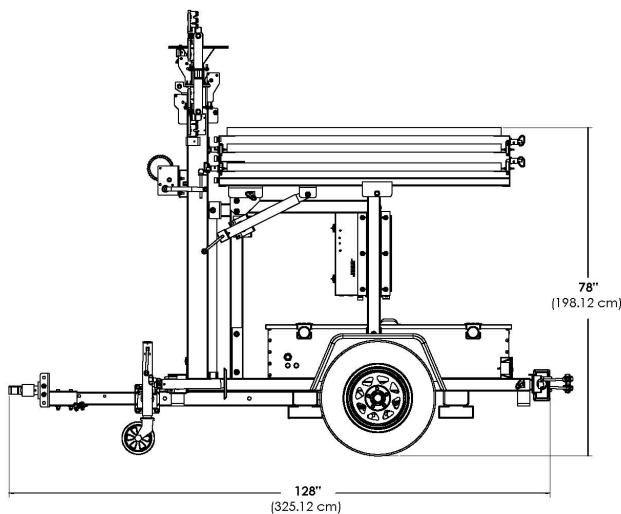
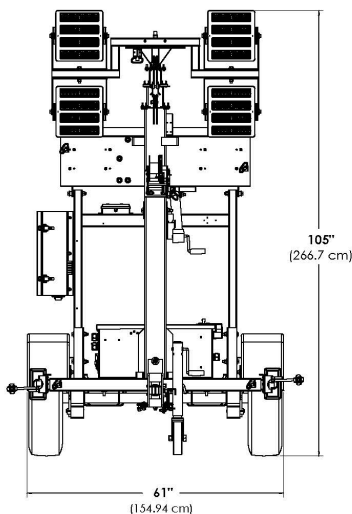
Trailer

Width Across Fenders	61"
Width across solar panel (extended):	125"
Length	127"
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	2350 lb
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 drawbar.

Power Source

Collectors	Polycrystalline, nested in steel frame, anti-theft fasteners
Output	24v
Meters	Momentary, LED type, one for each set of collector
Collector tilt	0° to 45° via a manual crank
Charger	40A, 24v, fan cooled, external plug
Batteries	AGM sealed, 12v wired for 24v
Battery controller	20A, PWM type
Photocell	Manual or dusk to dawn operation
Timer	3, 6, 9 and 12 hours plus Monday through Sunday

Dimensions



Specifications subject to change any time without notice. Copyright 2023 National Signal, Inc. All rights reserved. Printed in the United States.

