

**The Beacon LED Tower: Vertical Mast**  
**Model Number: LE980LEDV**  
**(and suffixes including, T4 etc)**

**Operating Manual**



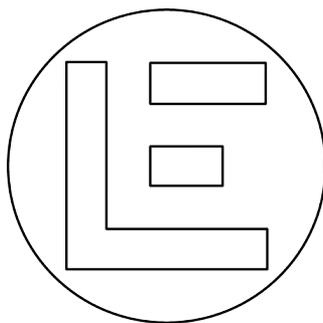
**Operating video: [www.beaconledtower.com/beacontowercarecentre](http://www.beaconledtower.com/beacontowercarecentre)**

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## Safety Precautions



### **FAILURE TO FOLLOW THESE PRECAUTIONS COULD RESULT IN SERIOUS INJURY OR DEATH**

- Keep clothing, hair and appendages clear of all moving parts
- Do not deploy the mast if there is expectation of heavy winds
- Ensure that the Beacon LED Tower is made level before deploying the mast. Stabilization jacks can be used to level the unit
- Keep the area around the led light tower clear of people and obstructions
- Do not deploy the mast until the stabilization jacks have been extended fully and are firmly planted on the ground
- When operating the machine, do not touch hot surfaces or expose combustible material to hot surfaces
- Perform daily inspections of the equipment to ensure that no damage exists that might interfere with safe operation including damage to cable and winches

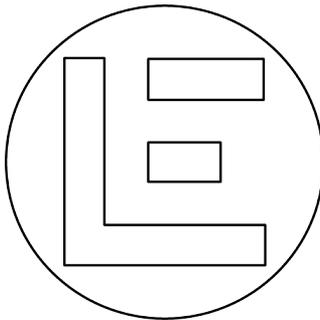


## Transportation Precautions



**FAILURE TO FOLLOW THESE PRECAUTIONS COULD RESULT IN SERIOUS INJURY OR DEATH**

- Do not transport the Beacon LED Tower with fuel inside the cabinet
- Use appropriate fuel handling precautions at all times when transporting and operating fuel tanks and generators
- Mast must be fully retracted and light head assembly lowered and removed entirely prior to transport
- Beacon LED Tower must be tied down during transportation

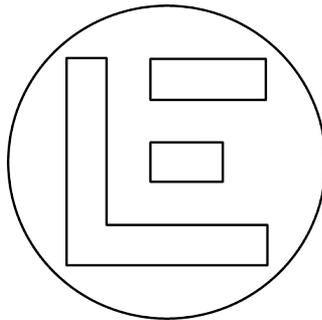


## Electrical Precautions



### **FAILURE TO FOLLOW THESE PRECAUTIONS COULD RESULT IN ELECTROCUTION**

- Ensure that the unit is clear of overhead wires and obstructions before deploying the mast
- Do not use unit if electrical cords are cut or worn through
- Do not allow water to contact live electrical components. Regular inspections should be undertaken to ensure that electrical components are in good operating condition
- When utilizing a generator with the Beacon LED Tower follow all operating instructions provided by generator manufacturer including proper grounding procedures



## Assembling The Beacon LED Tower

### Step 1: Attaching Casters

Castors are to be bolted into the receiving holes on the bottom of the light tower using the bolts included with the tower. There are two sets of castors – one set of rotating and one set of fixed. The rotating castors should be installed on the handle side of the tower and the fixed castors should be installed on the mast side of the tower.

### Step 2: Inserting Stability Outriggers

Position the four outriggers into the receivers on all four corners of the Beacon LED Tower. Pull up on the spring loaded pins and push the outriggers into the receivers. Let go of the spring pins and allow the pins to lock into the hole in the outriggers.



Spring pin and receiver for outriggers

## Assembling The Beacon LED Tower

### Step 3: Attaching Light Head Assembly to Mast

Using two people, line up the mounting hole on the t-bar with the corresponding hole on the mast. Secure the t-bar to the mast using the nylon lock nut and bolt provided. Tighten the bolt and nut using a wrench

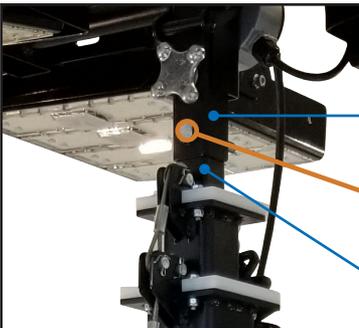
The t-bar can be rotated between the flat (horizontal) position or the vertical position and fastened using the adjusting knob on the mast.



Light heads in flat position



Light heads in vertical position



Mounting hole on the t-bar

Locking bolt

Hole on the mast



# Preparing The Beacon LED Tower for Use

## Step 1: Inspect the Light Tower and Surrounding Area

Before attempting to use the light tower, the operator should inspect the tower for any damage that may interfere with operation. This may include, but is not limited to, the following:

- Frayed or broken winch cables
- Cables that have come off of pulleys or winches
- Snagged or tangled winch cables
- Damaged winches
- Frayed or damaged electrical cord

Operator should also survey the surrounding area to ensure that it is clear of overhead wires, trees or other obstructions and that all non-essential personnel are clear of the light tower. The light tower should also be off limits to non-essential personnel during operation in order to prevent damage or accidents from occurring.



**WARNING: Failure to properly inspect the light tower and surrounding area and remedy any maintenance or safety issues could result in serious injury to the user and damage to the light tower**

## Preparing The Beacon LED Tower for Use

### Step 2: Position and Stabilize the Beacon LED Tower

Position the cart on a solid surface and a flat incline. Pull up on the spring loaded pins and extend the outriggers. Release the pin and allow it to lock into place in the final locking hole on the outrigger (see picture below to see the outriggers in fully deployed position). Extend the feet of the stability jacks using the crank handles until they are firmly on the ground. If necessary, use the jacks to ensure that the Beacon LED Tower is completely level before deploying the mast.



Light Tower with outriggers deployed



**WARNING:** If the Beacon LED Tower is not made level before the mast is deployed, the cart will be at risk of tipping which could cause damage and/or injury.

## Preparing The Beacon LED Tower for Use

### **Step 3: Turn Lights to Vertical**

Loosen the adjusting knob found on the mast by turning it to the left, once loosened, grab the light head assembly and pull to a vertical position, tighten the knob. Once the unit is secure, adjust individual lights to the desired position.

### **Step 4 : Extend the Light Heads**

Use the winch to extend the mast to the desired height. The mast will stop deploying when it has reached its maximum height and a STOP sign will show on the second stage of the mast. Do not attempt to force the winch further once it has reached the stop.



LED Light Tower with light heads deployed

## Preparing The Beacon LED Tower for Use

### Step 5: Power the Light System

If using a generator, position the generator in the cabinet with the exhaust pointed toward the **GENERATOR EXHAUST HERE** sticker on the side of the cabinet. Exhaust should be positioned directly in front of the large ventilation slots in the side of the cabinet.

If using the auxiliary fuel system, the system should be set up according to the instructions included with the fuel system.

Using the plug located inside of the cabinet, plug the lighting system into the generator system & operate the generator per the manufacture instructions.

Alternatively, the plug can be attached to an external power source using an extension cord. If using external power, an extension cord can be run into the cabinet either through ventilation holes in the side panels of the cabinet or the drainage holes in the floor of the cabinet.

Turn the light heads on using the light switch located in the outlet box on the outside of the cabinet. If the lights do not turn on, reset the Ground Fault Circuit Interrupter by pressing the 'reset' button located next to the light switch.

### Step 6: Lowering the Mast

Using the winch, completely lower the mast down until it cannot be further retracted.

## Transporting The Beacon LED Tower

### Fitting the Tower Light Through a Man-door

Just like the horizontal lay flat mast version of the Beacon LED Tower, the vertical mast version is also made to fit anywhere you need to go on your jobsite. The Beacon LED Tower is easily moved by one person and can fit through man-doors as well.

- 1) Adjust light heads to an inclined position (see picture) so that the sides are in line with the widest part of the frame
- 2) Line the Beacon LED Tower up to go straight through the door
- 3) Retract the outriggers all the way in



## Transporting The Beacon LED Tower

### **Ensure the Mast Is All the Way Down Before Moving the Light**

The Beacon LED Tower is a man-portable light and can be maneuvered around the jobsite by way of the included handle and casters.

The Beacon LED Tower can be lifted into a vehicle such as a pick-up truck for transporting long distances. Several people can lift the Beacon LED Tower into a vehicle, or a crane or forklift can be used. If lifting manually, the light heads may be removed.

When transporting the Beacon LED Tower in a vehicle, the light heads should be removed.



# Transporting The Beacon LED Tower

The Beacon LED Tower can be lifted using the circular lift points on the ends of the chassis. The light head assembly may be removed during lifting to improve balance and stability.

Beacon LED Tower may also be moved by forklift using the forklift slots on the bottom of the chassis. The light head assembly may be removed when being transported by forklift to improve balance and stability.

During transportation, the Beacon LED Tower should be securely tied down using either the circular lift points or the forklift slots.



**WARNING: Beacon LED Towers should not be transported with fuel inside the cabinet. Generators and fuel tanks should be removed for transport. Users should take all necessary safety precautions to ensure the safe transport of fuel tanks and generators and avoid fuel spills or potential fires.**



**WARNING: The Beacon LED Tower is NOT meant to be towed. Do NOT attempt to tow on roads of any type.**

## Electrical Information & Replacement Parts

### Electrical Information

The LED light heads can run off any power source supplying voltage from 90V – 277V.

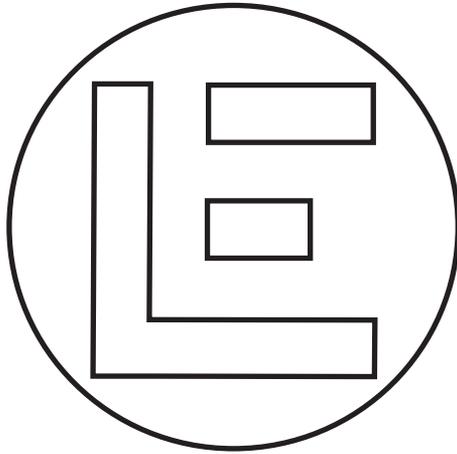
The Beacon LED Tower is wired with a 120V, NEMA 5-15P plug. Always observe local electrical codes when supplying power to the Beacon LED Tower. Ensure that you are using the appropriate plugs and cord based on the voltage that you are using.

Each light head uses 200W of energy. At 120V, this means each light head uses 1.67 amps. In total, the LE980LED-T2 uses 3.33 amps, and the LE980LED-T4 uses 6.67 amps.

There is a 15amp NEMA 5-15 outlet on the side of the cabinet for daisy-chaining additional Beacon LED Lights or plugging in tools. Please be sure to observe local electrical codes and not overload any circuits.

### Replacement Parts

A full parts manual is available on the following website  
**[www.beaconledtower.com/beacontowercarecentre](http://www.beaconledtower.com/beacontowercarecentre)**



For more information about Lind's Beacon LED Tower  
and its variations, please visit:  
[www.BeaconLEDTower.com](http://www.BeaconLEDTower.com)