

MODEL LCAT154896WT SPECIFICATIONS
Solar Powered, 15 Lamp (LED) Telescoping Winch Trailer Mounted Arrow Board

Trailer Dimensions

- Length with tongue: 104¾"
- Length without tongue: 55"
- Width with fenders: 68½"

Trailer Specifications

- Frame: 2" x 2" x 1/8" tubular steel
- Paint: Powder paint, orange with zinc primer
- Salt spray fog: 1,000 hours
- UV Resistance: 500 hours
- Axle and Springs: Straight tubular steel 3500 pounds
- Wheels and Tires: 5 lug – P205/75R15
- Fenders: 16 – gauge steel
- Tongue and Safety chains: 2" hitch, ¼" safety chains with hooks
- Jacks: Adjustable 10" jacks (2000 lbs. Capacity) on each corner of the trailer.
- Tail lights: Dual combination reflective lights with stop, tail and turn signal. License plate bracket.
- Lift winch: Gear ration-4: 1, Load Capacity-1200 lbs. Reel Capacity 58 FT.
- Wiring: Enclosed in jacketed cable or conduit

Sign Display

- Specifications:
 - Height: 48"
 - Length: 96"
 - Width: 3 3/8"
 - Material: .080 Aluminum frame 48"x96" w/ (2) 47¾" cross members
 .063 Aluminum front panel 48"x96"
 .063 Aluminum back panel 48"x96"
- Paint: All powder coated
- Flat black finish to reduce glare
- Salt Spray Fog: 1,000 hours
- UV Resistance: 500 hours
- LED bulbs: (15) yellow/amber Par 46 LED's with 360 ° high impact plastic visor
- Push on type connectors to prevent separation due to vibration during travel and operation.

Photocell Assembly

- Monitors ambient light conditions and adjusts brightness accordingly

Power and Charging

- Battery bank:
 - Typical installation is one (100 amp) 12-volt battery wired for 100 combined amps.
- Electronic Circuitry: Solid state, reverse polarity protection, properly fused, disconnects on all cables.

Solar Panel

- Typical Electrical Characteristics 40 W
- Voltage at Pmax (V mp) 17.3 V
- Current at Pmax (IMP) 2.31 A
- Short-Circuit Current (Isc) 2.57 A
- Open-Circuit Voltage (V oc) 21.6 V

Solid State Regulator

Electrical Specifications:

- Voltage: 12/24V
- Rated Solar Input: 10A
- Rated Load Current: 10A
- Equalization Voltage: 14.8V
- Boost Battery: 14.4V
- Float Battery: 13.6V
- Low Voltage Disconnect: 11.1V
- Low Voltage Reconnect: 13.1V
- Self-Consumption: 6 mA
- Operating Temp. -35 to +55°C

15 Light Control Box:

- **Auto-** automatically adjusts the power to the lights from 100% (daytime use) to 50% (nighttime use) depending on the ambient light. The auto dimming is controlled through a photocell mounted in the bottom of each arrow board where it will be protected from vehicle headlights and street lamps.
- **Bright-** maintains 100% power to the lights regardless of the ambient light.
- **Dim-** maintains 50% power to the lights regardless of ambient light.
- The Control Box has (7) flashing modes to choose from:
 - Single flashing arrow Left
 - Single flashing arrow Right
 - Progressive arrow Left
 - Progressive arrow Right
 - Double flashing arrow
 - Caution center bar
 - Caution four corners

Control Functions:

- **Power Switch** - Provides power from the control box to the Arrow Board
- **Power Indicator Light** - The LED indicates the Control Box has power and is ready for operation
- **Fuse** - Protects the wiring from damage in the event of a malfunction
- **Mode Selector** – Provides selection of the warning modes.
- **Manual Dim Switch** – Provides the user with the ability to override the photocell used for the automatic dimming when an unusual situation occurs (such as the vehicle being parked under a streetlight at night).

Manufacturer reserves the right to make changes in its products from time to time without incurring any obligation to incorporate such improvements in any products previously sold or in service.