X-Marker™ L-893(L)
Certified Runway Closure Marker

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800-972-0755
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Brightest lights and lowest fuel consumption in the industry

- FAA standards certified
- 24-hour battery backup
- 10-year operating life for LED fixtures
- Easy to deploy in under 5 minutes
- Optional integrated fluid containment system
- 1,000-hour engine service intervals

Wanco® X-Marker™ L-893(L) Runway Closure Marker (Model WTRC)

The Wanco X-Marker L-893(L) is ETL-certified to meet FAA AC 150/5345-55, “Specification for L-893, Lighted Visual Aid To Indicate Temporary Runway Closure” and FAA EB67, “Light Sources Other Than Incandescent and Xenon....”

Based on proven Wanco generator technology, the X-Marker L-893(L) features the lowest fuel consumption and longest run-time in the industry. Its flasher control system ensures the high-efficiency LED lights operate consistently at the FAA required flash rate.

The X-Marker L-893(L) is deployable by a single person in less than five minutes.

Operation

In standard operating modes, the giant “X” shape signals approaching aircraft at a rate of 2.5 seconds on/2.5 seconds off with aviation white LEDs, per FAA requirements. The system’s “fail-on” circuit turns all lights on continuously in the event of a controller malfunction. Amber LED operation indicators are visible on the backs of all four arms.

Two standard operating modes include full brightness for daytime operation and automatic dimming for day/night operation. High-power mode applies maximum continuous power to all lights, increasing their temperature for melting snow and ice accumulation on the light fixtures.

The system operates on engine power from 0 to 140°F (–18 to 60°C). Cold-weather options extend the low operating range down to –40°F (–40°C).

Construction

The X-Marker X shape consists of four arms of steel square tubing protected by aviation yellow powder coating for high visibility and durability. Each arm includes an aluminum enhanced-visibility panel. Each LED fixture housing is a robust, weatherproof, cast aluminum heat sink.

Performance is unaffected by wind speeds in excess of FAA requirements.

Power

The battery-operated, generator-assisted system consumes just 0.18 gallons (0.681 liters) per hour, which provides up to a week of operation before refueling. Battery power provides up to 24 hours additional run time after fuel supply is exhausted. The system can operate on 120/240VAC shore power with the engine switched off, at temperatures from –40 to 140°F (–40 to 60°C).

Brief specifications

Lights (front-facing)
- Lamps: Nine high-efficiency LED fixtures
- Luminosity: 6000 lumens per fixture, 54,000 lumens total
- Color temperature: 5000K
- Wattage: 44W per fixture when on, 0W when off, 396W total
- Lamp life: 50,000+ hours

Physical
- Operating height: 245 in. (622 cm)
- Deployed size, W×L: 185×140 in. (470×356 cm)
- Travel size, W×L×H: 55×175×71 in. (140×446×180 cm)
- Weight, approx.: Operating: 2190 lbs. (994 kg), Shipping: 1980 lbs. (898 kg)
- Tow hitch: Combo-hitch for 2-in. ball and 2½-in. pintle hook

Power system
- Battery: Two 12VDC deep-cycle 4D batteries
- Engine: Tier 4 diesel, 3-cylinder, 4-cycle
- Sound level, max. load: 58dB @30 feet (9.1m)
- Fuel tank capacity: 30 gal. (114L)
- Generator type: Brushless
- Output power: 6.56 kW max. @1 PF

Options
- Tandem tow package: Tow two trailers at the same time
- Fluid containment: Integral secondary containment system
- Cold-weather packages: Extend engine operating temperature down to –40°F
- Emergency shutdown: Large engine-stop button on exterior of cabinet
- Covers: Covers for individual lights or the entire X-Marker