

LFL Liberty™ SW Series

WE CAN Programmable
Super-LED® Lightbars



Laptop or PC is used to configure control of the lightbar

Electronic Control Module

WeCan program installs easily into your computer via CD

An external interface unit, the WeCan® Electronic Control Module (ECM), communicates all lightbar operating functions (Super-LED and Halogen) via a 2 conductor, 20 gauge cable.

This small cable provides easier overall wiring and lightbar installation. Up to eighteen different programmed warning configurations can be operated using customer supplied switching to each of twelve input wires to the ECM (default program pre-installed).

Once the ECM is programmed, selection of these wires will allow:

- Complete independent "On" or "Off" control of each lighthouse.
- Flash pattern control of each lighthouse.
- Phase control of each lighthouse with four phases for alternating, simultaneous and combo flash patterns.
- Cruise light control with virtually unlimited adjustable intensity levels.
- Independent Hi/Lo control is available to any Super-LED lighthouse, except the four corner modules (required for SAE certification).
- Independent (sequential) control of the traffic arrow functions (left, right, split) without a Traffic Advisor™ control head.
- SW Series is the next generation of our industry first 2-wire serial (B-Link™) system introduced over 12 years ago.

*"No one can control your lightbar like **WE CAN!**"*

FEATURES

- LFL Liberty SW Series has all the advantages of the latest generation all Linear-LED® technology: extremely low profile, 2.5" high, maximum "heads up" warning, heavy-duty long life operation, low current draw, easily upgradeable and re-programmable.
- At the heart of the new SW system is the WeCan Electronic Control Module (ECM). All functions are programmed via simple "pick and click, or drag" screens. Windows® based 2000, XP or later operating system required. USB input to the ECM from PC or laptop makes programming easy.
- With the SW Series, you can control the function of each individual lighthouse any way you want, any time you want! Each individual lighthouse can be selected, assigned both a flash pattern and a flash "phase". The flash phase synchronizes the chosen flash pattern from lighthouse to lighthouse.
- The four extended Linear Super-LED corner modules are standard. Add at anytime up to 12 Super-LED modules for a total of 16 modules.
- Build your lightbar in any LED color combination with optional Linear-LED inboard warning lights, Super-LED or halogen flashing take-down lights in any inboard position, Super-LED or halogen flashing alley lights, rear halogen worklights and rear LED brake/tail/turn lamps.
- Solar Panel to reduce parasitic draw now available on WeCan lightbars with passenger side cable exit.
- Electronic I/O board ensures equal light intensity from each lighthouse.
- All optional MR11 halogen and LR11 Super-LED lighthouses can be adjusted 15° on a horizontal plane.
- Other options are 5 or 6 lamp full size or split Traffic Advisors with high intensity Linear Super-LED modules, white high intensity LED take-down lamps and GTT Opticom® Emitter.
- Clear outer lenses are standard, color lenses optional.
- Pre-wired with 15' passenger side cable exit.
- Five year Heavy-Duty Professional® warranty on LEDs and electronics.
- All models exceed California and SAE requirements.



Liberty SW lightbar shown featuring Linear-LED Super-LED, High Intensity LED Work Light and extended Linear Super-LED corner module.



Whelen Products are proudly made in the U.S.A.

Linear-LED Super-LED Lens Colors



Form# LSW0908



WHELEN®
Engineers for the Emergency Warning Industry

LFL Liberty™ SW Series Lightbars

LFL Liberty™ SW Lightbar Specifications

Model	Voltage	Amp Draw (base model)	Maximum Number of Modules	Type of Corner Modules	Dimensions in inches and (mm) Size H x D x L
SW4	12.8	3.2 @ 13.6	14 (19 with split TA)	4 Extended Linear-LED® modules (independently controlled)	2-1/2 (64) or 4" (101mm) w/feet x 12 (304) x 43-1/8 (110cm)
SW8			18 (24 with split TA)		2-1/2 (64) or 4" (101mm) w/feet x 12 (304) x 48-1/2 (123cm)
SW2			2-1/2 (64) or 4" (101mm) w/feet x 12 (304) x 53-7/8 (137cm)		



OPTIONS INCLUDE:

- Inboard Super-LED Directional Modules
- **NEW!** Two super high intensity LED work lights
- Two halogen work lights
- Two MR11 halogen work lights
- Two super high intensity LED take-down lights
- Two halogen flashing take-downs lights
- Two MR11 halogen flashing take-down lights
- **NEW!** Two dual MR11 halogen flashing take-down lights
- Two MR11 flashing take-downs, one remote strobe, center option only
- Two MR11 flashing take-downs, one color LED Linear-LED®, center option only
- **NEW!** Two LR11 Super-LED flashing take-down lights
- **NEW!** Two dual LR11 Super-LED flashing take-down lights
- **NEW!** Two LR11 Super-LED flashing take-down lights & one color LED Linear-LED, center option only
- Two MR11 flashing alley lights
- **NEW!** Two LR11 Super-LED flashing alley lights
- **NEW!** Two color LED flashing LR11 Super-LED in alley light positions
- Cruise light mode of corner Linear-LED Modules
- Two LED Brake/Tail/Turn Lights
- Five or Six Lamp Linear-LED Split Traffic Advisor™, requires no special control head
- Five or Six Lamp Linear-LED No-Split Traffic Advisor™, with & without control head
- Driver side cable exit, with 20' power cable & control cable
- Quick disconnect plug for WeCan™ Lightbars Only
- Solar Panel compensates for parasitic draw
- GTT Opticom® Emitter

Options

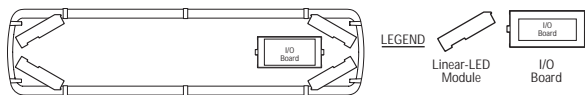


All LFL Liberty Lightbars Offer Modular Design

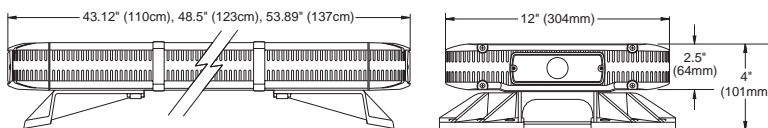
1. All inboard lighthouse modules are same size and can be placed anywhere in the lightbar.
2. End modules slide in channels of the extruded aluminum housing.
3. Extended end modules & MR11 alley lights are easily accessible.
4. Modules snap-in for tight, secure fit.
5. Mate-N-Lok® connectors snap together for easy lighthouse replacement or additions.



Standard Configuration



Dimensions



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