Edge® Freedom™ FV & FW Series

WeCan 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.

"No one can control your lightbar like WeCan"

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

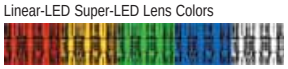
Once the WeCan ECM is programmed, the selection of these wires allows:

- Complete independent "On" or "Off" and flash pattern control of each lighthead.
- Phase control of each lighthead with four phases for alternating, simultaneous and combo flash patterns.
- Cruise light control with virtually unlimited adjustable intensity levels.
- Independent Hi/Low control is available to any Super-LED lighthead, 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.
- FW Series is the next generation of our industry first 2-wire serial (B-Link™) systems introduced over 12 years ago.

EDGE FREEDOM FV & FW SERIES

- Both Freedom FV & FW Series have all the advantages of the latest generation all Linear-LED® technology Freedom lightbar: only 3-3/4" high, maximum "heads up" warning, heavy-duty long life operation, low current draw, easily upgradeable and re-programmable.
- The FV Series has four standard length Linear Super-LED corner modules with FLALY, FLALLED or MR16 alley light options, while the FW Series has four extended corner modules and optional MR11 alley lights only.
- At the heart of the new FV/FW 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 FV/FW Series, you control the function of each individual lighthead any way you want, any time you want! Each individual lighthead can be selected, assigned both a flash pattern and a flash "phase". The flash phase synchronizes the chosen flash pattern from lighthead to lighthead.
- Standard lengths: 44", 50", 55".
- At anytime, you can add up to twelve Super-LED modules for a total of sixteen modules.
- Build your lightbar in any LED color combination with optional Linear-LED inboard warning lights, halogen flashing take-down lights in any position, and choice of flashing alley lights.
- Electronic I/O board ensures equal light intensity from each lighthead.
- Optional five or six lamp full size or duplex Traffic Advisor™ with high intensity Linear Super-LED modules, white high intensity LED take-down lamps, rear halogen work lights and rear LED brake/tail/turn lamps.
- The FV Series offers white high intensity alley lights.
- Clear outer lenses are standard, color lenses optional.
- Pre-wired with 15' passenger side cable exit.
- Optional Solar Panel compensates for parasitic draw from the vehicle's computer, improves battery efficiency and extends battery life.
- Five year HDP® (Heavy-Duty Professional) warranty on LEDs and electronics.
- All models meet or exceed California Title XIII & SAE Class 1 requirements.

Linear-LED Super-LED Lens Colors



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NASCAR Officially Licensed

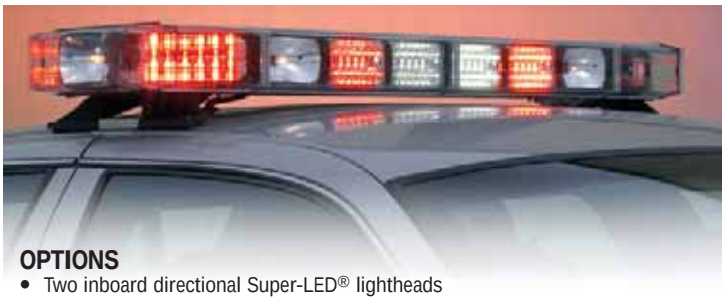
WHELEN®
Engineers for the Emergency Warning Industry

Form# FVFW0908

Edge® Freedom™ FV & FW Series

WeCan Edge® Freedom™ FW & FV Lightbar Specifications

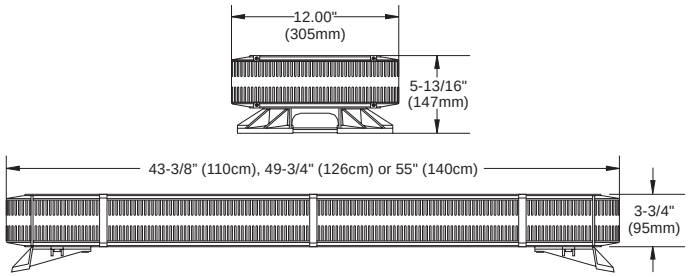
Model	Voltage	Amp Draw (base model)	Maximum Number of Modules	Type of Corner Modules	Dimensions in inches and (mm) Size H x D x L *5-13/16" (147mm) with feet
FW4	12.8	3.2 @ 13.6	16 (21 with split TA)	4 Extended Linear-LED modules	3-3/4" (95)* x 12" (304) x 43.375" (110 cm)
FW8			18 (24 with split TA)		3-3/4" (95)* x 12" (304) x 49.75" (126 cm)
FW2					3-3/4" (95)* x 12" (304) x 55" (140 cm)
FV4			16 (21 with split TA)	4 Linear-LED modules	3-3/4" (95)* x 12" (304) x 43.375" (110 cm)
FV8			18 (24 with split TA)		3-3/4" (95)* x 12" (304) x 49.75" (126 cm)
FV2					3-3/4" (95)* x 12" (304) x 55" (140 cm)



OPTIONS

- Two inboard directional Super-LED® lightheads
- Two Super-LED Flashing Take-Down Lights
- Two Super-LED flashing alley lights for FV Series only
- Two halogen flashing take-down lights
- Two MR16 halogen flashing take-down lights
- Two halogen flashing alley lights for FV Series only
- Two MR16 halogen flashing alley lights for FV Series Only
- Two MR11 flashing alley lights for FW Series Only
- Two halogen work lights
- Two LED brake/tail/turn lights
- Two dual LR11 Super-LED flashing take-down lights
- Two dual LR11 Super-LED flashing alley lights
- Cruise light mode of corner Linear-LED modules
- Five lamp LED Traffic Advisor™, requires no special control head
- Six lamp LED Traffic Advisor, requires no special control head
- Five Linear Super-LED Traffic Advisor, includes control head
- Six Linear Super-LED Traffic Advisor, includes control head
- Five Linear Super-LED Traffic Advisor, two wire control, requires no special control head
- Six Linear Super-LED Traffic Advisor, two wire control, requires no special control head
- Five Linear Super-LED duplex Traffic Advisor, requires no special control head
- Six Linear Super-LED duplex Traffic Advisor, requires no special control head
- Five Linear Super-LED duplex Traffic Advisor, includes control head
- Six Linear Super-LED duplex Traffic Advisor, includes control head
- Solar panel compensates for parasitic draw
- Quick disconnect plug for WeCan lightbars
- Driver side cable exit, includes 20' power and ground cable
- Custom lengths up to 98"
- 49" and 55" Lightbar Pre-wired for GTT Opticom®
- GTT Opticom® Emitter

Dimensions



Options

Flashing Take-Down

Linear Super-LED®

Super-LED Take-Down

Flashing Take-Down

Super-LED® Take-Down Option

Super-LED Take-Down

Halogen Alley Light

MR11 Alley Light

Dual LR11 Alley Light

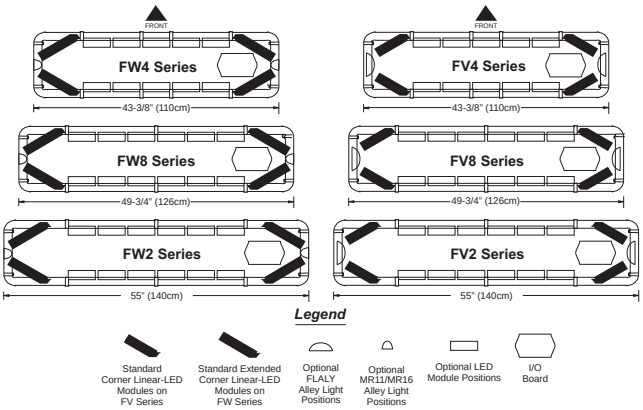
Super-LED Alley Light

FW Extended Corner Light

Solar panel

6 Lamp Linear-LED™ Traffic Advisor™

Configurations



WHELEN® ENGINEERING COMPANY, INC.

51 Winthrop Road
Chester, Connecticut 06412-1036
(860) 526-9504 • Fax: (860) 526-4078
www.whelen.com

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* Some Back-Up alarms are made in Canada for Whelen

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