

Edge® Freedom™ FV & FW Series

WE CAN Programmable
Super-LED® Lightbars



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

Electronic Control Module has a housing dimension of 2-3/4" (70mm) L x 2" (51mm) W x 1/2" (13mm) H



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.

Small cable allows for easier overall wiring and lightbar installation. Up to twelve 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 WeCan ECM is programmed, the selection of these wires allows:

- Complete independent "On" or "Off" and 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/Low 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.
- FW Series is the next generation of our industry first 2-wire serial (B-Link™) systems introduced over 12 years ago.



Laptop or PC is used to configure control of the lightbar

WeCan program installs easily into your computer



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 light-head 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 light-head to lighthouse.
- At anytime, 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 lighthouse.
- 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.
- Five year Heavy-Duty Professional warranty on LEDs and electronics.
- All models exceed California and SAE requirements.

Linear-LED Super-LED Lens Colors



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

Form# FVFW1007

Edge® Freedom™ FV & FW Series

WHELEN®
Engineers for the Emergency Warning Industry

Edge® Freedom™ FV & FW Lightbar Specifications



FW SERIES MODELS

FW4**** 43.375" (110 cm) Lightbar
 FW8**** 49.75" (126 cm) Lightbar
 FW2**** 55" (140 cm) Lightbar

FV SERIES MODELS

FV4**** 43.375" (110 cm) Lightbar
 FV8**** 49.75" (126 cm) Lightbar
 FV2**** 55" (140 cm) Lightbar

Lightbars available in any combination of red, blue, amber, white and green. Price varies with color.

Options



FLALY
Alley Light



FXAM1
MR11 Alley Light



FLH2CC
Flashing Take-Down



FLTALN6L - Linear-LED™ Traffic Advisor™



FW Extended
Corner Light



FLDAA
Super-LED™ Option



FLTDLED
LED Take-Down

OPTIONS

- FLD**** Two blue, red, amber and/or white, inboard directional Super-LED® lighthead
FLD## Two blue, red, amber and/or white, split color combination inboard directional Super-LED® lighthead
FLTDLED Two Super-LED® flashing take-down lights
FLALLED Two Super-LED® flashing alley lights for FL or FV Series only, DO NOT use with FC, FX or FW Series
FLH2CC Two halogen flashing take-down lights
FLTDM6 Two MR16 halogen flashing take-down lights
FLALY Two halogen flashing alley lights for FL or FV Series only, DO NOT use with FC, FX or FW Series
FLAM6 Two MR16 halogen flashing alley lights for FL or FV Series only, DO NOT use with FX or FW Series
FXAM1 Two MR11 flashing alley lights for FC, FX or FW Series only, DO NOT use with FL or FV Series lightbars
FLWL2 Two halogen work lights
FWBTTLED Two LED brake/tail/turn for FV or FW Series only, DO NOT use with FC, FL or FX Series
FLTA45LL Five lamp LED Traffic Advisor™, requires no special control head
FLTA46LL Six lamp LED Traffic Advisor™, requires no special control head
FLTALN5 Five Linear Super-LED® Traffic Advisor, requires no special control head
FLTALN6 Six Linear Super-LED® Traffic Advisor™, requires no special control head
FLTALN5L Five Linear Super-LED® Traffic Advisor™ two wire control, includes control head
FLTALN6L Six Linear Super-LED® Traffic Advisor™ two wire control, includes control head
FLW\$\$\$00 Five Linear Super-LED Duplex Traffic Advisor™, requires no special control head, replace symbol with number of upper level warning LED colors, order is red/blue/amber, 5 maximum
FLX\$\$\$00 Six Linear Super-LED® Duplex Traffic Advisor™, requires no special control head, replace symbol with number of upper level warning LED colors, order is red/blue/amber, 6 maximum
FLY\$\$\$00 Five Linear Super-LED® Duplex Traffic Advisor™, includes control head, replace symbol with number of upper level warning LED colors, order is red/blue/amber, 5 maximum
FLZ\$\$\$00 Six Linear Super-LED® Duplex Traffic Advisor™, includes control head, replace symbol with number of upper level warning LED colors, order is red/blue/amber, 6 maximum
FWDSCBL Driver side cable exit, includes 20' power and ground cable, for FV or FW Series only, DO NOT use on FL or FX Series
9LLTH_ _ Custom length up to 98" (insert required length in model # 60", 66", 72", 77", 82", 88", 93", or 98")
FLBULK18 Bulk package of 18 Edge® Ultra Freedom® Series Lightbars, in place of standard individually boxed lightbars
9UOPTI49 49" Lightbar pre-wired for 3M® Model 9592 Opticom®
9UOPTI55 55" Lightbar pre-wired for 3M® Model 9592 Opticom®
9592 3M® Emitter for Edge® and Edge®+Plus™ lightbars

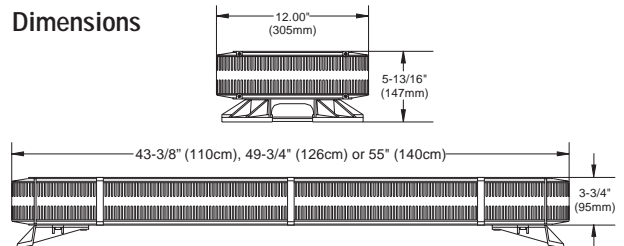
* Replace (*) in model number with color desired: A=Amber; B=Blue; C=Clear; G=Green; R=Red

§ Replace (§) in model number with quantity of Upper Level Warning LED colors. The order is Red/Blue/Amber (e.g., FLW40100 is 4 Red, 0 Blue, and 1 Amber).

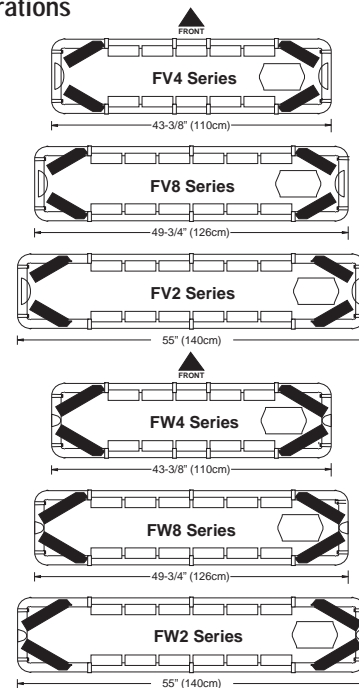
Replace (#) in model number with letter indicating split color desired:

D = Red/Clear; E = Blue/Clear; F = Amber/Clear; H = Green/Clear;
 J = Red/Blue; K = Red/Amber; L = Red/Green; M = Blue/Amber

Dimensions



Configurations



Legend

