

WHELEN[®]

EDGE[®] ULTRA FREEDOM[™] Super-LED[®] SERIES LIGHTBARS

The Only
Patented
Linear-LED[®] module
on the Market
Today!

*Whelen products
are proudly
manufactured
in the U.S.A.*



Officially Licensed
Warning Lights of
NASCAR[®]



Form# UFRE1009

WHELEN® EDGE® ULTRA FREEDOM™

Edge® Ultra Freedom™ all Linear-LED® lightbars feature the next generation of ultra bright, ultra wide-angle Super-LED® technology, in a warning package that rivals strobe in impact. Designed for rough treatment, providing heavy-duty, long life operation with low current draw. Lenses and lamp modules are of equal size so that they can be placed anywhere in the lightbar. Most Whelen lightbars are easily upgraded with new Super-LED LR11 LED take-down or alleys for steady-burn or flashing operation, with field-proven reliability so you may never need to service these lamps ever again! Now you have the "Freedom" to easily build the exact lightbar you've been looking for.

All Freedom Series Lightbars Feature:

- Four corner Linear Super-LED modules provide full 360 degree coverage.
- All models meet or exceed SAE Class 1 and California Title XIII requirements.
- Rugged extruded aluminum I-Beam housing and all modular construction.
- Four corner Linear Super-LED modules are available in standard or extended lengths.
- Add up to twelve wide angle, Linear Super-LED directional modules, for a total of sixteen.
- Build your lightbar in any color combination with take-downs and LED modules in any position you want.
- Optional flashing and/or steady MR16 halogen, MR11 halogen or the new LR11 Super-LED take-down or alley lights are available.
- Available cruise light function, low intensity steady-burn lighting, for identification and visibility of police vehicles during routine patrol.
- Available adjustable mount foot allows the lightbar to be mounted parallel to the street surface, no matter the shape of the vehicle roof.
- Clear outer lenses are standard, optional color lenses available.
- Optional solar panel compensates for parasitic draw.
- 15' cable, passenger side exit. Driver side cable exit with 25' power cable optional.
- 75 SignalAlert™ flashes per minute, per head (default pattern).
- Five year HDP® (Heavy-Duty Professional) warranty on LEDs.
- 70% lower amp draw over comparable strobe models.
- Optional built-in LED Traffic Advisors™.
- Custom lengths available.



Unlighted, the Edge Freedom has a "stealth look"



New illuminated LR11 Super-LED take-down lights



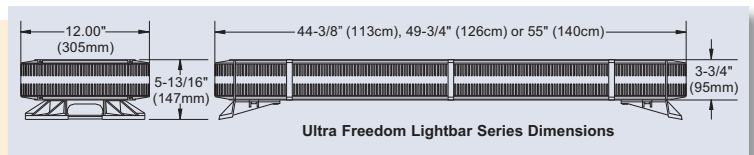
When lighted, comes alive with ultra bright warning impact



To help you build your Lightbar, Whelen's "WeCad™" build-a-bar program is available on our website at www.whelen.com

Ultra Freedom FL, FX & FN Lightbars

- Choose standard FL two or four corner Linear Super-LED or FX four extended corner modules (which expands visibility to critical 90° angles), then add up to twelve optional Linear Super-LED directional modules for a total of sixteen.
- Available with Scan-Lock flash pattern control that lets you toggle through the multiple flash patterns and lock in the pattern you select. Every pair of lights can have its own unique pattern. External control cable included.
- Optional halogen or Super-LED flashing take-downs and alley lights plus a five or six LED or Super-LED Traffic Advisor.
- Each lighthouse is driven by an all electronic module that provides proper input power and choice of flash patterns.
- NFPA Edge Ultra Freedom Super-LED FN lightbars meet NFPA 1901 ZONE "A" UPPER lighting standards. All models include clear outer lens, permanent mount with standard lengths of 55", 60" and 72". For available options, contact factory.



FL Series:

- 4 standard corners
- FL4******, 44 inch
- FL8******, 50 inch
- FL2******, 55 inch

FL Series:

- 2 standard corners
- FL4**00**, 44 inch
- FL8**00**, 50 inch
- FL2**00**, 55 inch

FX Series:

- 4 extended corners
- FX4******, 44 inch
- FX8******, 50 inch
- FX2******, 55 inch

FN Series:

- 2 red corners,
- 4 front Linears
- (2 red/2 white)
- FN55VLED**, 55 inch
- FN60VLED**, 60 inch
- FN72VLED**, 72 inch

FN Series:

- 2 red front corners, 4 front Linears
- (2 red/2 white) & 2 red end Linears,
- square ends
- FN55QLED**, 55 inch
- FN60QLED**, 60 inch
- FN72QLED**, 72 inch

* Replace symbol (*) in color code on all models with lens color desired:
A=amber; B=blue; C=clear; G=green; R=red



LIGHTBARS



Ultra Freedom FV & FW Series **WE CAN** Programmable Lightbars

WeCan programmable lightbars are similar to the FL & FX Series but include an external interface unit, the WeCan electronic control module (ECM), which controls all lightbar operating functions by a 2 conductor, 20 gauge cable. All functions are programmed via simple "pick & 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. Optional WeCan WCC9 Controller 10 dip switch selectable switching configuration.



- Choose the FV Series, which has four standard length Linear-LED® corner modules with FLALY or MR16 halogen alley light options or choose the FW Series, which has four extended length Linear-LED corner modules with MR11 halogen and LR11 Super-LED® alley light options.
- Small cable allows for easier overall wiring and lightbar installation.

"No one can control your lightbar like"



Electronic control module



Optional WeCan controller WCC9



- Up to eighteen different programmed warning configurations can be operated via customer supplied switching to each of eighteen input wires to the ECM (default program pre-installed). Once the ECM is programmed, selection of these wires will allow for:
 - Complete independent On/Off and flashing pattern control of each lighthouse.
 - Phase control of each lighthouse with four phases allows for alternating, simultaneous & combo flash patterns.
 - Cruise light control with almost unlimited adjustable intensity levels, standard.
 - Independent Hi/Low control is available to any one or more Super-LED lighthouses, except corners.
 - Independent sequential (single wire or 2-wire) control of the traffic arrow functions (left, right, split) and does not require a Traffic Advisor™ control head.
 - NEW!** Substitute a WCC9 WeCan controller (WCC9SUB) for the WeCan electronic control point module (WeCan lightbars FW, FV and FC only).

FV Series:

4 standard corners

FV4****, 44 inch

FV8****, 50 inch

FV2****, 55 inch

FW Series:

4 extended corners

FW4****, 44 inch

FW8****, 50 inch

FW2****, 55 inch



Ultra Freedom II FC Series **WE CAN** Programmable Lightbars

Freedom II FC Series has all the great features of the FW Series lightbars with extended corner modules plus independent control of upper and lower levels of each split color or solid color lighthouse for virtually two lightbars in one.

FC Series:

FC4####, 44 inch

FC8####, 50 inch

FC2####, 55 inch



Replace symbol (#) in color code on all models with lens color desired:

A=amber; B=blue; C=clear; G=green; R=red or

with letter indicating SPLIT lens or LED 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; P=green/amber

Mini Ultra Freedom FT & FN Series Lightbars

Ultra Freedom Mini Edge provides you with excellent performance in a smaller size and basic configuring features, options and mounting.

- Only 28-1/4" long with four corner Linear-LED modules standard.
- Low current draw, only 2.5 amps @13.6 VDC.
- Easy access to internal components utilizing snap in brackets. Components change easily using only a screwdriver.
- Blue, red, amber and/or white Super-LEDs.
- Optional take-downs and alley lights.
- A maximum of four Linear-LED modules fit in the magnet and permanent mount models, two halogen lamps fit in the permanent mount models.
- Permanent mount models with 15' passenger side cable.
- Size: 3-3/4" (95mm) H x 28-1/4" (717mm) W x 12" (304mm) D.

FT Series:

FT8***P, Permanent mount

FT8***M, Magnetic mount

FT8***F, Permanent mount front facing

FN Series:

FNMINI, Two 24" Mini Freedoms, each with 2 front red corners, one white front Linear and one red end Linear. Sold in pairs only.



Permanent mount



Magnetic mount with cigar plug

* Replace symbol (*) in color code on all models with lens color desired:
A=amber; B=blue; C=clear; G=green; R=red

The use of any magnetic or magnetic/suction mounted warning beacon on the outside of a moving vehicle is not recommended and is at the sole risk of the user.

EDGE® ULTRA FREEDOM™ OPTIONS

All the options you need to customize your lightbar.
With Edge Ultra Freedom's modular design, you can add options now, and more at a later date.

✓ = Available ○ = Contact Factory

OPTION DESCRIPTION	MODEL	WeCan® Series									Scan-Lock™ Series						Mini					
		FC4***	FC8***	FC2***	FW4***	FW8***	FW2***	FV4***	FV8***	FV2***	FX4***	FX8***	FX2***	FL4***	FL8***	FL2***	FL4**00	FL8**00	FL2**00	FT8***P	FT8***M	FT8***F
Two halogen take-down lights, not for use with FTALY	FTTD2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
Two halogen alley lights, not for use with FTTD2	FTALY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
Two 400 Series Linear-LED® lightheads, blue, red and/or amber	FTD**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
Four 400 Series Linear-LED lightheads, blue, red, amber and/or white	FTD****	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
2 blue, red, amber and/or white inboard directional Super-LED® lightheads	FLD**	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
2 (4 duplex) red, blue and/or amber and/or white split color combination, inboard Super-LED module, for FC Series only	FLD#	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Two dual LR11 Super-LED flashing take-down lights, with 15° horizontal adjustment	FXTLS1D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Two dual LR11 Super-LED flashing alley lights, with 15° horizontal adjustment	FXALF1D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Two halogen flashing take-down lights	FLH2CC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Two MR16 halogen flashing take-down lights	FLTDM6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Two halogen flashing alley lights for FL or FV Series only	FLALY	-	-	-	-	-	-	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	-	-	-	
Two MR16 halogen flashing alley lights for FL or FV Series only	FLAM6	-	-	-	-	-	-	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	-	-	-	
Two MR11 halogen flashing alley lights for FC, FX or FW Series only	FXAM1	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	-	-	-	-	-	-	-	-	-	
Two halogen work lights, do NOT use with FC Series lightbars	FLWL2	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Two LED brake/tail/turn lights for FV or FW Series only	FWBTTLED	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	
Four LED cruise lights, amber, blue, white and/or red for FL Series only	FLCRUZ**	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	
Five 400 Series LED Traffic Advisor™, includes control head, for FL or FX Series only, do NOT use with FV or FW Series	FLTA45L	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Six 400 Series LED Traffic Advisor, includes control head, for FL or FX Series only, do NOT use with FV or FW Series	FLTA46L	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Five lamp LED Traffic Advisor, requires no special control head	FLTA45LL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Six lamp LED Traffic Advisor, requires no special control head	FLTA46LL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Five Linear Super-LED Traffic Advisor, includes control head	FLTALN5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Six Linear Super-LED Traffic Advisor, includes control head	FLTALN6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Five Linear Super-LED Traffic Advisor, two wire control, req. no special control head	FLTALN5L	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Six Linear Super-LED Traffic Advisor, two wire control, req. no special control head	FLTALN6L	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Five Linear Super-LED, duplex Traffic Advisor requires no special control head, 5 maximum, for FC Series only	FCW\$\$\$00	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Six Linear Super-LED duplex Traffic Advisor, requires no special control head, 6 maximum, for FC Series only	FCX\$\$\$00	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Five Linear Super-LED duplex Traffic Advisor, requires no special control head, 5 maximum, for FW & FV Series only	FLW\$\$\$00	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	
Six Linear Super-LED duplex Traffic Advisor, requires no special control head, 6 maximum for FW & FV Series only	FLX\$\$\$00	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	
Five Linear Super-LED duplex Traffic Advisor, includes control head, 5 maximum	FLY\$\$\$00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Six Linear Super-LED duplex Traffic Advisor, includes control head, 6 maximum	FLZ\$\$\$00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Delete TACTALD1 from 6-8 Light LED Traffic Advisor	DELTA1D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Driver side cable exit, with 25' power and ground cable, for FL or FX Series only	FLDSCBL	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Driver side cable exit, with 20' power and ground cable, for FV or FW Series only	FWDSCBL	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	
Driver side cable exit, with 25' power & ground cable, for FC Series only	FCDSCBL	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Quick disconnect plug for WeCan lightbars only	WCQDPLUG	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	
Custom length up to 83" (insert req. length in model # 60", 66", 72", 77", or 82")	9LLTH_	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Custom length 83"+ (insert required length in model # 88", 93", or 98")	9LLTH_+	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Bulk package of 18 Edge Ultra Freedom Series lightbars, in place of standard individually boxed lightbars	FLBULK18	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
NEW! Self-contained LED IR GTT Opticom™ emitter	795H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
NEW! Install of 795H to Freedom, no charge with 795H purchase, center mount only	FX795H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
NEW! Two LR11 Super-LED flashing take-down lights & install of 795H (795H purchased separately), center mount option only, with purchase Freedom lightbars	FX795HLR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
NEW! Two LR11 Super-LED flashing lights (red/blue and/or amber) and installation of 795H (795H purchased separately), center mount option only, when purchased with Freedom Lightbars	FX795L**	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Solar panel (reduces parasitic draw) for low current bars with pass. side cable exit	SOLARPNL	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Solar panel (reduces parasitic draw) for WeCan lightbars with pass. side cable exit	SOLARPWC	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	
NEW! Substitute WCC9 WeCan controller for WeCan electronic control point module	WCC9SUB	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	

All models are 12 VDC only unless otherwise noted above. For other voltages contact factory.

* Replace symbol in model number with letter indicating lens color or LED color desired:

A = amber; B = blue; C = clear/white; R = red; G = green

Replace symbol in model number with letter indicating SPLIT lens or LED 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

† (to be discontinued, check availability) †† (special order, check availability) ††† (not listed, contact factory)

! Indicate length desired: 5 foot, 6 foot, 7 foot or 8 foot

Replace symbol "\$" with number of split warning LED colors, order is red/blue/amber



FXTLS1D
Two dual LR11 flashing take-down lights



FLALY
Alley light



FXALF1D
Two dual LR11 flashing alley lights



FXAM1
MR11 Alley light



FLTALN6L - Linear-LED Traffic Advisor



FLH2C
Flashing take-down



Flashing MR16 take-down



SOLARPNL/SOLARPWC
Solar panel



FW Extended corner light

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FLDA
Super-LED option



Optional WeCan controller WCC9