

EDGE® ULTRA FREEDOM OPTIONS

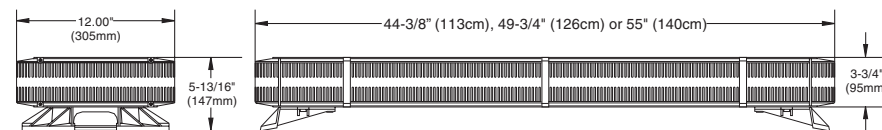
All the options you need to customize your lightbar. With Edge Ultra Freedom's modular design, you can add options now, and more at a later date.

Edge® Freedom Lightbar Options

✓ = Available ○ = Contact Factory

OPTION DESCRIPTION	MODEL NO.	MINI & MINI FRONT FACING			FREEDOM ULTRA Super-LED™			TOWMAN'S EDGE® ULTRA FREEDOM
		FTB***P	FTB***M	FTB***F	FL4***	FL8***	FL2***	FLOWAAAA
OPTIONS FOR MINI EDGE® ULTRA FREEDOM SERIES LIGHTBARS								
Up to four Linear8s in the magnet or permanent mount models on a maximum two halogen lamps in the permanent mount models only								
Two halogen take-down light, not for use with FTALY	FTTD2	✓	✓	✓				
Two halogen alley lights, not for use with FTALY	FTALY	✓	✓	✓				
Two 400 series Linear8 Super-LED™s, amber, red, blue or white	FTD**	✓	✓	✓				
Four 400 series Linear8 Super-LED™s, amber, red, blue or white	FTD****	✓	✓	✓				
EDGE® ULTRA FREEDOM SERIES ACCESSORIES								
Driver side cable exit, includes 25' power and ground cable	FLDSCBL				✓	✓	✓	
Two halogen flashing take-down lights	FLH2CC				✓	✓	✓	
Two halogen alley lights	FLALY				✓	✓	✓	
Four LED cruise lights, amber, blue, white and/or red	FLCRUZ**				✓	✓	✓	
Two, four, six or eight Linear-LEDs® in amber, red, blue or clear	FLD\$\$\$S0				✓	✓	✓	
Six 400 series LED Traffic Advisor™, includes control head	FLTA46L				✓	✓	✓	
Five 400 series LED Traffic Advisor, includes control head	FLTA45L				✓			
Custom Length up to 83" (Insert required length in Model number 60", 66", 72", 77", 82" or 88", 93", or 98")	9LLTH_				✓	✓	✓	
49" Lightbar Pre-wired for Model 9592 3M® OPTICOM®	9UOPTI49				✓			
55" Lightbar Pre-wired for Model 9592 3M® OPTICOM®	9UOPTI55					✓		
3M® Emitter for Edge® and Edge+Plus® Lightbars - Refer to 3M® OPTICOM® Emitters Section for Pricing.	9592				✓	✓	✓	
TOWMAN'S® EDGE® ULTRA FREEDOM SERIES ASSESSORIES								
2 Amber Inboard Linear8 Super-LED™ Modules	FLD00200							✓
4 Amber Inboard Linear8 Super-LED™ Modules	FLD00400							✓
Driver Side Cable Exit	FLDSCBL							✓
Six 400 series LED Traffic Advisor™ Includes control head, Requires the deletion of either the brake/tail/turn or work lights	FLTA46L							✓
Delete Two Rear Work lights, (required if using a FLTA46L)	DEL9MWL							✓
Delete Two Brake/Tail/Turn lights, (required if using a FLTA46L)	DEL9MSTP							✓

Please note: The selection of one option may preclude the selection of another option.



Linear8 Super-LED Lens Colors



Designed & Manufactured in the U.S.A.

WHELEN®
ENGINEERING COMPANY, INC.

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Step up to the new generation of Edge® LED technology



It may look the same... but take a closer look...

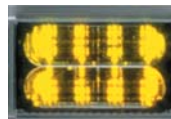
EDGE® ULTRA FREEDOM LED SERIES LIGHTBARS



FLALY - Alley Light



FLH2C - Flashing Take-Down



FLD\$\$\$S0
Linear8 Super-LED™
Option



EDGE® ULTRA FREEDOM

Edge® Ultra Freedom features all Linear-LED® technology in a warning package that rivals strobe in impact but provides heavy-duty, long life operation with low current draw. Start with four Linear-LED® (patent pending) modules and add up to eight more Linear-LED® modules (for a total of 12 Linear Super-LED™ modules, or take-down's, alley's etc. in just the combination you want. Edge® Ultra Freedom starts with new modular architecture and extruded aluminum chassis. New lenses and lamp modules are of equal size so that they can be placed anywhere in the lightbar. Each group of four LED lighthoods are driven by an all electronic LED ballast that provides proper input power and a choice of flash patterns. All Ultra lightbars are made for rough treatment and long hours of use. Now, as never before, you can easily build the exact lightbar you've been looking for.

EDGE® ULTRA FREEDOM



To help you build your Edge® Ultra Freedom Lightbar, Whelen "Lightbar Wizard" build-a-bar program is available on disk or on our Website at: www.whelen.com



Edge® Ultra Freedom Series Lightbars

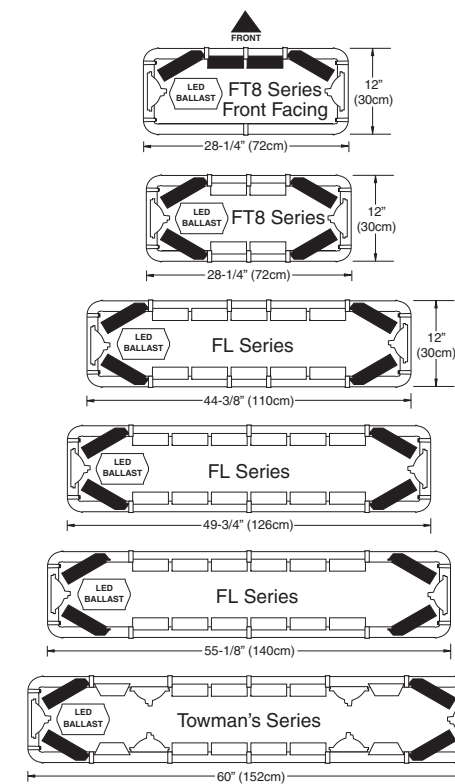
- All Ultra Lightbars are certified by AMECA to meet or exceed SAE Class I requirements.
- Classic Edge® profile with a slightly wider stance and proven performance features.
- An all Linear-LED® lightbar featuring the next generation of ultra bright, ultra wide angle Super-LED™ (patent pending) technology.
- Choose a basic four corner Linear12 Super-LED™ model, then add up to eight Linear8 Super-LED™ modules for a total of 12 modules.
- Modular, Snap-in/Lock-in lamp modules and slide-in lenses are interchangeable and can be placed anywhere on the lightbar.
- Aerodynamic profile, with the state-of-the-art optics.
- Clear outer lenses are standard; optional color lenses are available.
- Simply remove eight end-cap screws for easy access to all internal components.
- Each group of four LED lighthoods are driven by an all electronic LED ballast that provides proper input power and Scan-Lock™ flash patterns. You are assured of equal light intensity from each lighthouse through a voltage range of 10 - 16 VDC.
- Low "LC" current operation uses a small diameter external cable harness for operation with standard or low current switch controls or micro switches.
- Scan-Lock™ allows you to scan through ten flash patterns and lock in the desired pattern. Each pair of lights can have its own unique pattern.
- Pre-wired with 15' passenger side cabling. Driver side cable exit is available.
- Options include five or six LED module Traffic Advisor™ and optional halogen flashing take-downs, alley lights.
- Optional Strap Mounting Kits available for a wide variety of vehicles.
- 5-Year HDP®, Heavy-Duty Professional warranty on LED ballasts and Linear-LED® lighthoods.
- Standard base bars draw 2.5 amps@13.6 VDC.
- Custom lengths available: 60, 66, 72, 77, 82, 88, 93 and 98 inch models.

INTRODUCING SCANLOCK™ (patent pending)

At any time easily scan through ten flash patterns and lock in the one you want to use.

- CometFlash®
- TripleFlash™
- DoubleFlash
- RapidRate™
- ActionFlash™
- ModuFlash™
- MicroBurst II™
- MicroBurst III™
- LongBurst™
- ActionScan™

FL Series Models: 1 LED Ballast and 4 corner Linear12 Super-LED's are standard
Size: 3 3/4" (95mm) H x 12" (304mm) W x
FL4****, 44 inch long (44 3/8", 113cm)
FL8****, 50 inch long (49 3/4", 126cm)
FL2****, 55 inch long (55 1/8", 140cm)



Legend

- Standard Corner Linear12 LED Modules
- Optional LED Modules Positions
- LED Ballast
- Standard LED Modules Positions
- Optional Alley Light Positions
- Optional Light Positions

Edge® Ultra Mini Freedom Series Lightbars

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

Mini Features

- 28-1/4" long with four corner Linear12 Super-LED™ modules.
- Rivals strobe in intensity with only 70% of strobe current draw, only 2.5 amps @ 13.6 VDC.
- Clear outer lenses, optional color lenses available.
- Easy access to internal components; parts change easily using only a screwdriver.

Models:

- FT8****P**, Permanent Mount;
- FT8****M**, Magnetic Mount
- FT8****F**, Permanent Mount, Front Facing



Towman's™ Edge® Ultra Freedom Lightbar

Towman's Edge® Ultra Freedom provides wrecker applications with the same performance, configuring features and specialized lighting options in a larger size.

Features

- 60" long with four corner Linear12 Super-LED™ modules.
- Built-in rear facing halogen work lights and LED stop/tail/turn signals.
- Color Outer Lenses.
- Supplied with Passenger Side 15' Cable.
- Available with 4, 6, & 8 Linear-LED® modules.

Model: FLOWAAAA, 60" long, 4 Amber Linear12 Super-LED™ Modules (2 Front/2 Rear).

