

Catalog C07



# EMMS POLICE

**WHELEN**® Automotive Full Line Catalog 2007



Officially Licensed  
Warning Lights of  
NASCAR®



# DOT

# FIRE

# TOW

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**SmartLED** Look for the SmartLED® logo for lightheads that do not need an external flasher.



For over fifty years Whelen has proudly designed and manufactured emergency warning products in America. Now we are pleased to be the title sponsor of one of the great All-American sports, the NASCAR® Whelen Modified Tour, the NASCAR® Whelen Southern Modified Tour and now the recently added NASCAR® Whelen All-American Series. This is our way of saluting not only the legends of NASCAR but also the dedicated professionals, Fire and EMS, Law Enforcement and Rescue Personnel that are every day heroes for us all.

Our goal is to make your job safer with the most reliable and effective warning equipment available. As the Officially Licensed Warning Lights of NASCAR, we hope you'll enjoy our lights on pace cars and racetrack equipment at tracks around the country.

For motorsports news and racing schedules, visit our web site, [www.whelen.com](http://www.whelen.com) and click on "Motorsports."



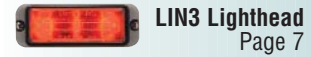
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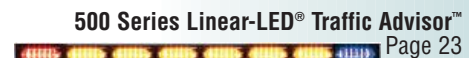
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**1500 SERIES STROBE BEACONS**



Two models available; 10/80 VDC secondary warning light and Class 2, SAE Certified (amber) in 12/24 VDC. Both have twist off domes and full reverse polarity protection. Magnetic mount versions feature 8' coiled cord with cigar plug and LED "On" indicator. Size: 3-3/4" (95mm) H x 5" (127mm) Dia.



**2000 SERIES**

Wide range of economical models from 5 watt to 22 watt output. Many features and options in a reliable high intensity beacon with high or low domes and a variety of flash patterns. Reverse polarity protection, 12/24 VDC, silicone coated power supply provides protection against the elements. Easy access for modular parts replacement. Polycarbonate and die cast aluminum bases with combination 1" NPT pipe and permanent mounting or magnetic mount. Magnetic/suction mounts available on some models. Optional polished aluminum high riser base. Size: (High Dome): 6-1/2" (165mm) (Low Dome) 5" (127mm) H x (cast base) 6-3/4" (171mm) (poly base) 6-3/8" (161mm) Dia.

**2500 SERIES ENCAPSULATED STROBE BEACONS**



Cut-a-way showing encapsulation

SAE Certified fully encapsulated electronics. LED diagnostic indicator displays operational state of power supply and flash tube. 7 Scan-Lock™ flash patterns. Cast aluminum or polycarbonate base and optional polished aluminum high riser base. Automatic Hi/Low photocell. Available in high or low dome. Polycarbonate base model also available in magnetic mount with CometFlash® and high power only. Magnetic/suction mount available on some models. Size: (High Dome): 6-13/16" (172mm) H (Low Dome) 5-5/16" (134mm) x 6-7/16" (163mm) Dia.

**STROBE BEACONS**

*Built for heavy-duty use, and reliable operation.*

**D Series Strobe Beacons**

- Remote Hi/Low intensity operation.
- Certified to SAE and California Title XIII requirements.
- Dual voltage 12/24 VDC operation. Power supplies include circuits that protect against reverse polarity damage and flash tube ionization; patented clamp circuit prevents power supply damage in the event of flash tube failure.
- Circuit boards are double epoxy dipped for added vibration and moisture resistance.
- Fully enclosed cast bases offer both permanent and 1" NPT pipe mounting.



- Branch guard and magnetic mount models are also available.
- Optional cruise light.
- Optional built-in photocell for high/low intensity control or automatic on/off operation.
- For other options see current Price List.
- Exclusive, five year Heavy-Duty Professional (HDP) Warranty on power supply and two year warranty on Gold Medallion flash tube.

**S360D SUPER STROBE®**

Highest effective light intensity in its class. 30 watts output power. Smooth outer self-cleaning dome with patented component optics. Includes Cross-Link™ Strobe Synchronization capability. Connect up to four independent S360D strobes to work as one system. Size: 6-1/2" (165mm) H x 7-1/2" (91mm) Dia. Weight: 3 lbs., 5 oz. (1.5kg)



**1200D**

New aerodynamic, high profile, self-cleaning dome. 25 watts output power. Double fresnel optic dome. Polished aluminum base. Available with split lens configurations. Optional spade bolt mount and magnet mount. Size: 8-1/2" (216mm) H x 7" (178mm) Dia. Weight: 3 lbs., 5 oz. (1.5kg)



**800D**

25 watts output power. Double fresnel optic lens available in two dome heights. Models available with split lens configurations. Optional magnetic mount, magnetic/suction mount or adjustable height stainless steel pole for pole mount. Size (high dome): 6" (152mm) H x 5-1/2" (140mm) Dia. Size (low dome): 4-1/2" (114mm) H x 5-1/2" (140mm) Dia. Weight: 2 lbs., 4 oz. (1kg)



**800DCTRL (Optional)**

Four Pattern Beacon Controller with High/Off/Low Intensity Switch and Diagnostic LED Indicator provides real-time Diagnostix™ of operating status with models 800D, 1200D and S360D.

The use of a magnetic or suction mounted beacon on the roof of a vehicle in motion is not recommended, and is at the sole discretion and risk of the user.

## 360° SUPER-LED® BEACONS

Super bright with uniform intensity that rivals strobe in intensity



### L31<sup>†</sup> Class 1 Super-LED 360° Beacon

Super-LED performance. Includes 30 built-in Scan-Lock™ flash patterns; includes steady-burn plus the ability to alternately or simultaneously flash multiple patterns. Synchronization feature, Hi/Low intensity, cruise lights, standard. Available in flat and magnetic or magnetic/suction mount. Optional branch guard and pipe mount kits. 12 VDC, optional 24 VDC. L31HRFN, red, meets NFPA Zone C Upper. Size: 4-1/2" (102mm) H x 7" (184mm) Dia.



### L32<sup>†</sup> Super-LED 360° Beacon Class 1 (amber) Class 2 (other colors)

Compact Super-LED beacon includes 5 built-in Scan-Lock™ flash patterns with steady-burn plus the ability to alternately or simultaneously flash multiple patterns. Mountings available in flat, magnetic, magnetic/suction, and optional pipe mount kit. 12 VDC, optional 24 VDC. Size: 2-1/2" (64mm) H x 7-1/4" (184mm) Dia.



### Super-LED B6LED Beacon

All new combination L31 360° Super-LED beacon and all new 700 Series Super-LED directional lighthouse in a heavy-duty cast aluminum housing is the ideal solution for tough conditions on fire service vehicles. Size: 7-3/8" (187mm) H x 7-13/16" (198mm) W x 8-1/2" (215mm) D.



### Class 2 L22 Super-LED Beacon

Economical L22 Series with 90 SignalAlert™ flashes per minute. Polycarbonate base with permanent and pipe mount, magnetic or magnetic/suction mount. High dome only. Available in red, blue, amber & white. 12 VDC, optional 24 VDC. Size: 6-1/2" (165mm) H x 5-11/16" (144mm) Dia.



### Class 3 L53 Super-LED Beacon

Economical compact 360° Super-LED beacon with twist off dome. 90 SignalAlert™ per minute. 12 VDC available in amber or red only. Polycarbonate base with permanent or magnetic mount. Size: 3-3/4" (95mm) H x 5" (127mm) Dia.

\* Note: Magnetic mount models do not offer Scan-Lock, cruise light, low power or SYNC functions.

## ROTATING & FLASHING BEACONS

Rotating Beacons in three sizes.



### RESPONDER® CADET - CR212M

Small size for dash and deck mounting. Dual speed motor. Halogen lamp and reflector provides 42,000 beam candlepower. Polycarbonate base for permanent mounting also includes 50 lb. magnet, standard. Certified to SAE and California Title XIII requirements. Includes light shield, hook and loop fastener pad, power cord and cigar plug. Optional color dome shield for use with clear outer domes. Size: 3-1/2" (89mm) H x 4-1/4" (108mm) Dia. Weight: 1 lb., 2oz. (.5kg)

### ROTA-BEAM™

Mid-size rotating beacon with single reflector, snap-in style 50 watt halogen lamp, or dual reflector 50 watt halogen. Certified to SAE and California Title XIII requirements. Non-corroding glass filled nylon bases for combination flat or 1" NPT pipe mounting. Optional magnet mount kits. New rotator assembly has precision double ball bearing design for superior long-life performance, redesigned parabolic reflector for increased light output and steel base plate for optimum shock mounting and durability. Three year warranty on motor assembly. Size: 6-1/2" (165mm) H x 7-3/8" (187mm) Dia. Weight: 1 lb., 5 oz. (.55kg).

### B6T/BRMM SERIES

Combination 360° warning and directional lighting in a single polished cast aluminum housing. B6T models have Rota-Beam™, RB6T rotating 360° warning beacon in upper section and choice of 700 Series directional strobe, flashing halogen, flashing Linear Super-LED, halogen scenelight or incandescent brake/tail/turn lighting in lower section. Both sections available in all five safety colors. B6M has Super-LED beacon and Linear-LED directional light and is available in amber, red and blue. RB6T rotating beacon has a rotator assembly with precision double ball bearing design for superior long-life performance, redesigned parabolic reflector for increased light output and a steel base plate for optimum shock mounting and durability. Three year warranty on motor assembly. Size: 8-5/8" (219mm) H x 7-13/16" (198mm) W x 8-1/2" (215mm) D. Weight: 3 lbs., 13 ozs. (1.7kg)

The use of a magnetic or suction mounted beacon on the roof of a vehicle in motion is not recommended, and is at the sole discretion and risk of the user.



### UL12 HALOGEN FLASHING BEACON

One of the smallest flashing or steady-burn halogen beacons available anywhere. 50 watt lamp with built-in electronic flasher. Reverse polarity for steady-burn. 50 flashes per minute. 50% lamp on time. Smooth outer lens, internal fresnel fluted optics. Input current draw (average): less than 1.5 amps @ 13.6 vdc. Size: 3-7/8" (98mm) H x 3-1/4" (83mm) Dia.





**SLIM-MISER™**

High performance dash light with low cost. Brilliant 5mm LEDs in a slim low profile housing for deck mounting against the windshield with 3 suction cups. Multiple Scan-Lock flash patterns. Available in solid or split colors. Size: 1-5.8" (42mm) H x 2-3/4" (70mm) D x 12-7/8" (326mm) D.



**FLATLIGHTER™**

Compact, dual-lighthouse, self-contained strobe light. Allows mounting on visor, windshield, deck or dash. Built-in strobe power supply (20 watt output). Airbag compatible. 60 CometFlashes® per minute per lamp, 240 flashes per minute total. Optional soft foam visor shield. Size: 3-7/8"(98mm) H x 10-11/16"(271mm) W x 1-1/2"(38mm) D.



Optional bail bracket

**FLATLIGHTER™ LED**

Dual LED lamp panels. Compact size ideal for visor. Airbag compatible. 20 selectable flash patterns. Will return back to last flash pattern selected. Color LEDs with clear outer lens, LEDs are available in red, amber, blue, white or color combinations. Optional 400 Series color lens for customer installation. Size: 4-1/2" (114mm) H x 13"(330mm) W x 1-1/4"(32mm) D.

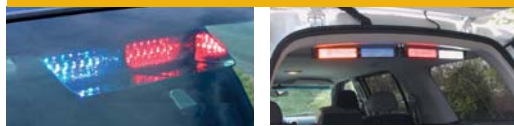


**SLIMLIGHTER™ LED**

Ultra slim profile dash light. Dual LED, or TIR6™ Super-LED® lamp panels. Attaches to the windshield with suction cup mounting swivel brackets or permanently to headliner or deck. Airbag compatible. 20 selectable flash patterns. On/Off and pattern select switches are located on back of assembly. Cigar plug and 8' straight cord, standard. Super-LED model includes cigar plug with On/Off switch and LED indicator. LEDs are available in red, amber, blue, white and combination. Optional bail bracket available. Size: 2"(52mm) H x 16-3/8"(416mm) W x 1-3/16"(46mm) D.

**DASH & DECK LIGHTING**

High intensity lighting for interior use, visible and concealed mounting.



**SPECTIR™ LED Series**

High output GEN3 LED technology gives this pint-sized light a full-sized punch. Specifically designed with the volunteer market in mind, this compact dash light fits snugly against windshield. Eight high intensity LEDs are available in single or split color combinations and contains multiple Scan-Lock™ flash patterns. Includes 8' cord with cigar plug with On/Off switch and LED On indicator. Size: 3"(76mm) H x 7"(177mm) D x 7-3/8"(187mm) L.



**DASH-MISER PLUS™ SERIES**

One or two high intensity 500 Series wide angle linear strobe lighthoods in an oval, aluminum housing. Includes universal "Z" mounting bracket, suction cups and hook and loop fasteners. 10 Scan-Lock™ flash pattern switch on end cap. Self-contained electronics, includes power cord and cigar plug. Optional hood and mounting brackets. Housing size: 2-7/8" (73mm) H x 6-1/2" (165mm); 11-7/8" (302mm) or 17-1/4" (438mm) W (1, 2, 3 lighthoods) x 5-1/4" (133mm) D. Overall height with "Z" bracket: 3-1/2" (89mm) to 5-3/4" (146mm) H. Weight: 1-4 lbs., (.5-1.8kg) depending upon model.



**NEW AVENGER™ Series**

Self-contained Linear Super-LED® Dash and Deck Lights feature 50% more LEDs than the previous models in a more compact little light with a big attitude! Available in single, dual or split modules, in a rugged polycarbonate housing, which is safer in the event of airbag deployment. Snap-on hood minimizes flashback to driver.

**AV Models** offer multiple Scan-Lock™ flash patterns using a selection switch located on the cigar lighter plug with On/Off switch.

**AVS Synchronized Models** provide synchronized lighting in alternate and simultaneous flash mode while using a 3-wire pigtail. (Available Late April 2008)



Dash-King mounting kits (shroud up or down)

**DASH-KING 2000™ STROBE SERIES**

Single or dual lamp, for use with remote power supply, sold separately, or as a self-contained strobe light. Four mounting configurations: headliner; over mirror; under mirror and dash/deck mounts. Low profile polycarbonate housing with integral hood, fits right up to the windshield. Dash-King 2000 self-contained models include easily accessible rear mounted power and pattern increment switches, power cord and cigar lighter plug. Size, less mounting bracket: Single lamp models: 2-1/4" (57mm) H x 8-1/8" (206mm) W x 6-1/8" (156mm) D. Dual lamp models: 3-3/4" (95mm) H x 8-3/8" (213mm) W x 8-7/16" (214mm) D. Weight: 2-6 lbs., (.9-2.7kg) depending upon model selected.

**SOLO STROBE**

Compact, self-contained, 4 flash pattern strobe. 12/24 VDC. Heavy-duty, weather resistant cast aluminum housing and electronics. Pedestal/swivel mounting bracket standard. Size: 4-1/4" (108mm) H x 4-3/4" (121mm) W x 4" (102mm) D. Weight: 2lbs., (.9kg)



# DASH & DECK LIGHTING

Super-LED® lighting for interior or exterior use.



## DOMINATOR™ SERIES

TIR3 Super-LED lighting available as a six or eight light array Traffic Advisor or in two, four, six or eight light flashing models. Rugged aluminum housing with slide bolt mount. Fully encapsulated and fully waterproof with internal self-contained electronics. Light modules available in red, amber, white and blue. Size: 1-3/4" (44mm) H x 2-3/16" (60mm) D x 7" (178mm) or 14" (356mm) or 21" (533mm) or 28" (711mm) L.

### Flashing models

- Two, four, six or eight light flashing models.
- Seven flash patterns and a steady-on mode.
- May be synchronized to each other or to other Whelen Synchronized products.

### Traffic Advisor models

- Six or eight light arrays.
- Six light array with two end flashing modules.
- Six direction sequences and 10 Scan-Lock™ flash patterns.
- Low power intensity mode.
- Requires customer supplied switches or Whelen's optional control head with blanks for optional switches.



## RAIDER™ SERIES

500 Series Linear Super-LED lighting available in single or dual flashing models. Extruded aluminum housing with slide bolt mount from the top, bottom or back of housing for versatile mounting options. Weather resistant design makes this the ideal light for mounting externally. Size: 2-3/8" (60mm) H x 1-7/8" (48mm) D x 5-1/2" (140mm) or 11" (279mm) L.



# 360° LIGHTHEADS

Designed for use with Whelen Remote Power Supplies.



## "V" HEAD

Super compact, features strobe tube with reflector base. Direct replacement for "L-HEAD" assembly. Reflector top also serves as sunshade. External collar for flat mounting. Size: 3-3/4" (96mm) H x 2-3/4" (70mm) Dia. Weight: 8 oz. (226gr)



## "F" HEAD

Shatter resistant optic lens. Cast aluminum base for permanent or 1" NPT pipe mounting. High or low domes available. High dome features high gain smooth outer surface for self-cleaning. Size (high dome) shown: 6" (152mm) H x 5-1/2" (140mm) Dia. Size (low dome): 4-1/2" (114mm) H x 5-1/2" (140mm) Dia. Weight: 2 lbs., 4oz. (1kg)



## "X" HEAD



Low profile 4.5" optic dome. Cast aluminum base mounted on carbon fiber telescopic pole with internal cord. Pole extends from 22" to 42". Size, lighthouse only: 4-1/2" (114mm) H x 5-1/2" (140mm) Dia. Weight with telescopic pole: 5 lbs., 6 oz. (2.5kg)

## SUPER STROBE® SERIES

360° strobe beacon with smooth outer self-cleaning dome with internal optics. Fully enclosed cast aluminum base, powder coated satin black, provides combination flat and 1" NPT pipe mounting. Can purchase with branch guard assembly. Size: 7-1/2" (191mm) H x 7-1/2" (191mm) Dia. Weight: 3 lbs., (1.4kg)



## EXTENSION CABLES

Two conductor cable with amp connectors available in 5, 10, 15, 20, 25 & 30 ft. lengths. Three conductor shielded cable with connectors available in 5, 10, 15, 20, 25 & 30 ft. lengths.

## SUBSTITUTE EXTENSION CABLES

Substitute longer cable for standard 15 ft. cables, available in 20, 25, 30, 35, 40, 45 & 50 ft. lengths.

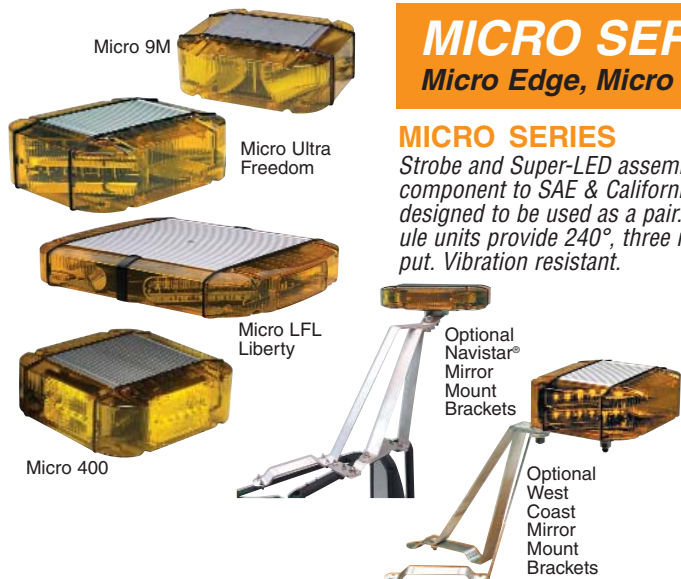
## CONNECTOR KITS

AMP Mate-N-Lok® connector kits. Deutsch® Waterproof connector kits.



## MICRO SERIES LIGHTHEADS

Micro Edge, Micro LFL and Micro 400, in Strobe and Super-LED®



### MICRO SERIES

Strobe and Super-LED assemblies may be mounted to cab or mirror mount brackets. Certified as system component to SAE & California Title 13 specifications. Two, three and four module lightheads are designed to be used as a pair. Heavy-duty extruded aluminum frame, with color outer lenses. Two module units provide 240°, three module unit provides 310°, and four module units provide 360° light output. Vibration resistant.

**Micro 9M:** Two linear strobe assemblies. Requires remote strobe power supply. Size: 3-1/2" (89mm) H x 8-3/32" (208mm) W x 10" (254mm) D.

**Micro Freedom:** Two Linear Super-LEDs and built-in electronic flasher with 75 SignalAlert™ FPM per light module. Size: 4" (102mm) H x 10" (254mm) W x 10-1/16" (256mm) D.

**Micro LFL Liberty:** Two, three or four Linear Super-LED modules and built-in electronic flasher with 75 SignalAlert™ FPM per light module. Size: 2-1/2" (64mm) H x 9-1/2" (241mm) W x 12" (304mm) D.

**Micro 400:** Three or four 400 Series Linear Super-LED modules with built-in electronic flasher. Size: 3-3/4" (95mm) H x 10-1/4" (260mm) W x 10-1/2" (266mm) D.

## DIRECTIONAL LIGHTHEADS

TIR3, 2" and 4" Round Series

- New LED warning lights mount on stairs and doors, under handrails and steps, in trunks and compartments, on motorcycle boxes ... wherever you need a low current, high performance surface mounted light.
- Sturdy – encapsulated, no glass or filaments to break, rated for 100,000 hours of operation.
- Surface mounted – only a small wire access hole and two screws to install.
- Brake/Tail/Turn, warning, and compartment light models.
- Available in four safety colors, with clear lenses.

### TIR3™ / LIN3™ Super-LED SERIES

Super-LED surface mount modules are effective for a variety of applications and include black flange. Low current, vibration and moisture resistant. Has 5 Scan-Lock™ flash patterns with Phase 1 and Phase 2 for alternating/simultaneous flashing, for up to eight lightheads which include steady-burn and synchronize wire. Options include: chrome plated and cast aluminum flange for single light-head, black or chrome plated flanges for dual light-heads, single or dual mounting brackets and single lighthead swivel bracket.

**TIR3:** Directional TIR lighting, horizontal and vertical mount.

**LIN3:** Linear-LED wide angle lighting, horizontal mount.

Size: 3-1/2" (89mm) W x 1-1/8" (28mm) H x 1-1/4" (32mm) D.



### 4" ROUND

Flat lens sealed beam strobe, LED or TIR6™ Super-LED warning. Back-up, brake/tail/turn, turn, 3 intensity levels of LED compartment lights, 2 intensity levels of Super-LED compartment lights and amber or red clearance models available. LED lighthead has SmartLED® with 10 Scan-Lock™ flash patterns. LED brake/tail/turn models available in minimum (meet SAE) and maximum (exceed SAE) intensity levels. Super-LED TIR6 has 5 Scan-Lock flash patterns with Phase 1 and Phase 2 for alternating/simultaneous flashing, for up to eight lightheads which include steady-burn and synchronize wire. Options include black or chrome trim rings, or grommet mount kit. Size: 4" (102mm) Dia.

### 2" ROUND

LED sealed beam with flat lens. Warning light with 180 single flashes per minute, clearance and compartment light, amber or red clearance. Includes a three-piece adapter kit with 2-1/2" flange for customer supplied grommet, 3 and 3-1/2" flange. Options include a 2" grommet (hole cutout required) and a black or chrome surface mount flange kit. Size: 2" (51mm) Dia.



**PAR36E**  
Extended lens. Sealed beam, strobe or halogen. Extended lens has SideKick™ optics, for wide angle light distribution. Size: 2" (51mm) D x 4-1/2" (105mm) Dia.



**PAR36F**  
Flat lens. Sealed beam, strobe or halogen. Size: 1-3/16" (30mm) D x 4-1/2" (105mm) Dia.



### PAR36 LED

Round, 14 flash patterns including steady burn. Brake/tail/turn in minimum and maximum intensity with two flash patterns. LED auxiliary amber turn light. Optional rubber pedestal housing. D.O.T. marker light versions also available in red and amber. Size: 4-3/8" (111mm) Dia.



**LED INTERIOR/COMPARTMENT LIGHTS**

A wide range of sizes and intensities from the 5G and 2" round Series to the large 900 Series or compact Strip-Lite™. Most compartment lights feature frosted white and amber LEDs for uniform natural lighting without a harsh blue cast. 5-G, 4" Round and Strip-Lite are available in Super-LED in two levels of intensity. 4" Round is available with or without Deutsch® waterproof connectors.

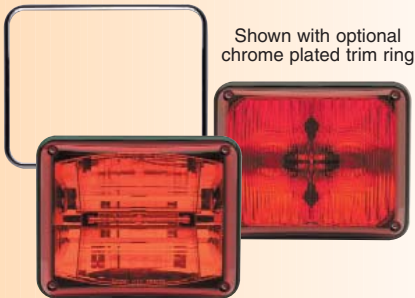


**STRIP-LITE™ LED SERIES**

Compact LED warning with 14 flash patterns. Brake/tail/turn with turn signals or model with two flash patterns including Signal-Alert™. Compartment lights available in 2 intensity levels in both LED and Super-LED. Strip-Lite Tank Status Light with four color LED groups provides easy to identify indication of watertank status. Size: 1-3/8" H x 11-1/2" W.



**SURFACE MOUNT DIRECTIONAL LIGHTHEADS**  
Eliminate need for large cutouts and require only 3/8" access hole for lighthouse cabling.



Shown with optional chrome plated trim ring

**810 SERIES**

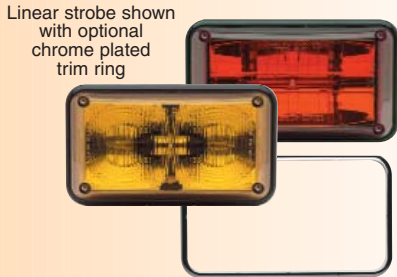
Surface mount. Available in linear strobe or dual lamp halogen warning and scenelights with a 8-32° light spread. Installed on vehicle with four mounting screws or double sided tape (customer supplied). Optional chrome plated trim ring. Size: 8" (203mm) H x 10" (254mm) W x 2" (51mm) Protrusion.

**INCANDESCENT LAMPS** used in BRAKE/TAIL/TURN lights can be purchased from any auto parts store!



**CL25 SERIES**

Surface mounted, two wire design compartment light. Extends less than 2" into compartment. Clear or red lens. Model CL25S has on/off switch installed on side. Bayonet style 25 watt lamp. Size: 5-7/8" (149mm) Dia. x 1-7/8" (48mm) Protrusion.



Linear strobe shown with optional chrome plated trim ring

**508 SERIES**

Linear strobe or dual lamp halogen warning and scenelights with a 8-32° light spread. Brake/tail lights and turn/arrow lights. Optional chrome plated trim ring. Size: 5" (127mm) H x 8-11/16" (221mm) W x 2" (51mm) D.



**8635CU**

Dual intensity, interior light with 14 and 35 watt snap-in halogen lamps. One piece reflector and flange. Size: 8-3/16" (208mm) H x 6-7/16" (164mm) W x 1-5/8" (41mm) Recess x 1-11/64" (30mm) Protrusion.

**2G & 5G LIGHTHEADS**  
Compatible with competitive 4" round and 6" oval lighthouse and their mounting accessories.



**2G & 5G LED Warning**

Includes vinyl mounting grommet. Fully encapsulated electronics. Smart-LED® design features 15 Scan-Lock™ flash patterns (SignalAlert™ 75 FPM default). Mounts either horizontal or vertical. Available with 6" integral wire leads or industry standard connector. Size with grommet: 3-3/16" (81mm) H x 7-7/16" (189mm) W.



**2G & 5G Brake/tail/turn**

SAE certified single diode Super-LED and LED minimum and maximum intensity brake/tail/turn light. Includes vinyl mounting grommet. Mounts either horizontal or vertical. Available with 6" integral wire leads or industry standard connector. Size with grommet: 3-3/16" (81mm) H x 7-7/16" (189mm) W.







**Models 400, 500, 600 and 700 Lighthoods require optional mounting, purchased separately, except surface mount models.**

## DIRECTIONAL LIGHTHEADS

Newly re-designed lighthouse series offers a wide variety of mounting configurations



### TWIN SIDE BEAM™ DUAL LAMP SERIES



Twin Side Beam Reflector

Dual lamp lighthoods available in strobe, halogen or combination. Lamps are wired for individual control. Halogen models are relampable with 27 watt halogen lamps. Available in split lens combinations and recessed, semi-flush and pedestal tilt mountings. Lighthouse size: 3-1/16" (78mm) H x 7-1/4" (184mm) W x 1-3/4" (44mm) D.



### 400 SERIES

Compact size, linear strobe, snap-in halogen, surface mount LED, Linear Super-LED™, LED Min & Max back-up/interior or brake/tail/turn, combination halogen/LED and strobe/LED.

All 5 safety colors. Size: 3-1/16" (77mm) H x 4-15/16" (124mm) W x 2-3/4" (69mm) D.

Size with optional flange: 4" (101mm) H x 6-1/4" (158mm) W x 2-11/16" (68mm) D.

Size with optional pedestal mount: 4-1/16" (103mm) H x 5-1/4" (133mm) W x 3-7/16" (87mm) D.

Universal Housing for fender, grille, side hood and under headlight panel available for Ford E and F Series, Chevrolet 4500/5500 Kodiak and Express Van, International and Freightliner with no grille modifications required. Consult current Price List for models.

Shown with optional pedestal housing in black or chrome



### 500 Series Lamp Styles



### 500 SERIES

Linear strobe, snap-in halogen, LIN6™ and TIR6™ Super-LED®, LED and surface mount LED. LIN6 and TIR6 are now available in split LED colors. Optional mounting configurations meet all your specific needs: chrome plated or black polycarbonate trim ring; rubber grommet; pedestal/swivel mount; or round bar mounts in 1" and 1-1/4" versions. Halogen and strobe available in all five safety colors, LED models are available in red, blue, amber and white. Strobe and halogen require power supply or flasher, purchased separately. Super-LED and TIR6 have 5 Scan-Lock™ flash patterns with Phase 1 and Phase 2 for alternating/simultaneous flashing, of up to eight lighthoods which include steady-burn and synchronize wire. Both require optional mounting.

Size: lens: 1-5/8" (41mm) H x 5" (127mm) W. Universal Housing for fender, grille and side hood available for Ford E and F Series, Chevrolet 4500 Kodiak and International. Consult current Price List for models.

### Optional Mounting Configurations



### 52TRUNKT

Trunk Warning Light Installation Kit for two 500 Series LED lighthoods (purchased separately) for Crown Victoria, Explorer and Expedition vehicles gives added roadside safety when trunk lid is raised.

**INCANDESCENT LAMPS** used in **BRAKE/TAIL/TURN** lights can be purchased from any auto parts store!

Models 600, 700 and 900 are available as warning, primary, secondary and approved supplemental lighting applications for stop/tail/turn signals, back-up lights, arrow lights and angled scenelights.



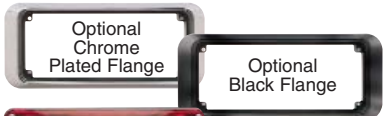
## DIRECTIONAL LIGHTHEADS

New Linear-LED® lighthoods with Super-LED® intensity that rivals strobe in intensity.



**600 SERIES**  
 Medium size lighthouse in linear strobe, halogen, surface mount LED and Linear-LED, split Linear-LED; Min & Max LED back-up/interior and Min & Max LED brake/tail/turn. Amber arrows in LED and incandescent utilizing #1157 bulb, halogen back-up and scenelight. Warning lights in all five safety colors.  
 Size: 4-1/8" (105mm) H x 6-1/2" (165mm) W x 1-5/8" (41mm) Recess. Universal 15° downward angle surface mount housing available in chrome or black.

**700 SERIES**  
 Mid-size lighthouse in linear strobe, relampable snap-in halogen, surface mount LED and Linear-LED, split Linear-LED, halogen scenelight, Min & Max LED back-up/interior light, LED chevron arrow and halogen turn arrow, Min & Max brake/tail/turn. Warning lights in all five safety colors with a wide variety of mounting options to choose from.  
 Size: 3-1/16" (78mm) H x 7-1/4" (184mm) W x 1-3/4" (44mm) D.



**600 & 700 SERIES HOUSINGS**  
 Cast aluminum housings for one, three or four 600 Series and one or three 700 Series lighthoods. Horizontal or vertical mounting. Lighthoods purchased separately. Size varies depending on models selected. Also available: Chrome plated ABS plastic housings for three or four vertical 600 Series lamps. Universal Housing for 700 Series for fender, grille, side hood and under headlight panel available for Ford E and F Series, Chevrolet 4500/5500 Kodiak and Express Van, International and Freightliner. Consult current Price List for models.



**900 SERIES**  
 Largest size of lighthouse series. Linear strobe, strobe, halogen, surface mount LED and Linear-LED, split Linear-LED. Min & Max LED brake/tail/turn, LED and incandescent turn arrows, halogen and LED back-up/interior lights and halogen scenelights. Warning lights in all five safety colors. Optional chrome plated or black flange.  
 Size: 7-1/8" (181mm) H x 9-1/8" (232mm) x 1-7/8" (48mm) Recess.





## LIGHTHEADS FOR SPECIAL APPLICATIONS

High efficiency optics designed for emergency signalling.



### HIDE-A-WAY Super-LED® LIGHTING SYSTEMS

HALO Series Super-LED Hide-A-Way systems are a direct plug-in to replace OEM bulbs for the front and rear of 2006-07 Ford Crown Victoria. Systems include lamp assemblies, flasher module with multiple Scan-Lock™ flash patterns, cabling and Deutsch® water-resistant connectors. Easy to install, requires no additional holes.

Front system includes 2 park/turn lamp assemblies available in red, blue, white or amber warning with built-in amber park/turn. Rear systems available in 2 or 4 light system with red warning and red brake/tail/turns.



### HIDE-A-WAY STROBE TUBES

Ideal for marked and unmarked vehicles. Smallest strobe lamp assembly available. Easy to install in composite style head light/tail light assemblies. HA239C has soft plug-in design with clear bulb. HA238 has flange style and is available in five safety colors. Size: 1-5/8" (41mm) H, mounts into 1" (25mm) Dia. cutout.

### MIRROR BEAM™ SERIES

Integral mirror mount 500 Series lightheads put warning at mid-level where you need it most, forward and at critical intersection angles. Linear-LED® models can be synchronized for alternating or simultaneous flashing. Choose from linear strobe or LIN6 Super-LED. For Ford Crown Victoria Police Cruisers, Chevrolet Impala, Suburban, Tahoe, Silverado and Avalanche.



Linear Strobe Series



LIN6™ Super-LED Series



### GRLSTR / GRLHAL

Smallest lighthead available with lens. Strobe or halogen. Perfect for grille installation, rear deck, or rear window mounting and small spaces where lighting is desired. Size: 2" (51mm) H x 4-3/4" (121mm) W x 3-1/4" (83mm) D.



### HEL5

Heavy Equipment Light. 180° remote strobe or Super-LED lighthead. Size: 4" (102mm) H x 3" (76mm) W x 11-1/4" (286mm) L.



### 1S MARKER LIGHT SERIES

Six white steady-burn LEDs mounted in a compact housing. Available housing and lens colors are amber, blue, white or red. Size: 7/8" (22mm) H x 1-7/8" (48mm) W.



### 0S OVAL SERIES

Small oval LED lighthead in a chrome housing for flashing warning, marker/clearance and illumination. Available in red, amber, white or blue. Size: 1" (25mm) H x 1-1/2" (48mm) W x 1/2" (13mm) D.



### HEADBOARD-LED™

Rugged self-contained DOT headboard lighthead with three 400 Series Linear Super-LEDs. May be mounted center front or on sides of vehicle's headboard. 210° degree light output, pairs can be synchronized for alternating or simultaneous flashing. Rugged cast aluminum base mounts with two mounting bolts. Size: 5-1/4" (133mm) H x 5-1/2" (140mm) D x 15-3/8" (390mm) L.



### HRCV98

Rear halogen Hide-A-Way system for safe operation of rear taillight signals. For Ford Crown Vic and other law enforcement vehicles. Includes 3TERM flasher, 2 halogen Hide-A-Ways (H27HACP) with appropriate cable lengths and 20 ft. input cable.

# POWER SUPPLIES

Offering the widest range of performance, features and economy in the industry.

- Flash Pattern Control.
- Built-in intelligence. Stable on power-up, immune from false triggering.
- Auto-ranging power regulation, eliminates flash intensity variations.
- Output short circuit protection, RFI suppression, MOSFET electronics.
- AMECA Certified (most models) to SAE, NFPA, California Title XIII.
- Five year "HDP," Heavy Duty Professional warranty for models UPS64LXA and complete ISP Series.

## ISP SERIES POWER SUPPLIES



### ISP74

70 watts, 4 outlets, 12 vdc. Outlet Control: 2x2. Size: 2-3/8" (60mm) H x 6-13/16" (173mm) W x 7" (178mm) D. Weight: 2.5 lbs., (1.13kg)



### ISP94

90 watts, four outlets, 12 vdc. Outlet Control: 2x2. Size: 2-3/8" (60mm) H x 6-13/16" (173mm) W x 7" (178mm) D. Weight: 2.5 lbs., (1.13kg)



### ISP148

140 watts, 8 outlets, 12 vdc. Outlet Control: 2x2x4. Size: 2-5/8" (67mm) H x 8-5/8" (219mm) W x 9-1/8" (232mm) D. Weight: 5 lbs., (2.26kg)



### ISP188

180 watts, 8 outlets, 12 vdc. Outlet Control: 2x2x4. Size: 2-5/8" (67mm) H x 8-5/8" (219mm) W x 9-1/8" (232mm) D. Weight: 5 lbs., (2.26kg)

## UNIVERSAL SERIES POWER SUPPLIES



### UPS64LXA

75 watt output, four outlets, 12/24 vdc. Ten Scan-Lock™ flash patterns and synchronize wire. Outlet Control: 2x2. Size: 2-1/2" (64mm) H x 5-7/8" (149mm) W x 6-3/4" (171mm) D. Weight: 3 lbs., (1.36kg)

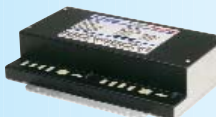
### UPS64HA

Similar to UPS64LXA except includes turn signal over-ride which turns off strobes when turn signal is activated. Hi/Low and Synchronization features are not available.



### UPS690

90 watt output, six outlets, 12 vdc. Four flash patterns. Size: 2-1/2" (64mm) H x 5-7/8" (149mm) W x 6-11/16" (170mm) D. Weight: 2 lbs., (75kg)



### UPS158A

150 watt output, eight outlets, 12 vdc. Ten Scan-Lock flash patterns and synchronize wire. Size: 2-9/16" (65mm) H x 11-13/64" (284mm) W x 7-13/64" (182mm) D. Weight: 3-3/4 lbs., (1.51kg)



### SOLAR 1

Automates high or low power selection. Compact remote IR Smart Sensor™. Pre-wired with 6' - 4c cable, and mounting hardware.

## COMPETITOR™ & COMPETITOR PLUS SERIES

Features Scan-Lock™ pattern control which lets you scan through 10 flash patterns and lock in the one you want. All models have Hi/Low power control except CS220 Series.



### CS220/CS220D

20 watt output, two outlet, 12/24 vdc. Size: 1-1/2" (38mm) H x 3" (76mm) W x 4-3/16" (106mm) D. Weight: 1.5 lbs., (.56kg)

### CS225/CS225D

25 watt output, two outlet, 12/24 vdc.

### CS240/CS240D

40 watt output, two outlets, 12/24 vdc. Size: 1-3/4" (38mm) H x 3" (76mm) W x 6-3/4" (171mm) D. Weight: 1.5 lbs., (.56kg)



### CS450/CS450D

50 watt output, four outlets, 12/24 vdc.

### CS650/CS650D

50 watt output, six outlets, 12/24 vdc. Size: 1-3/4" (44mm) H x 5-1/2" (140mm) W x 6-1/2" (165mm) D. Weight: 1.5 lbs., (.56kg)



### CSP660

60 watt output, six outlets, 12/24 vdc. Outlet Control: 2x4.

### CSP690

90 watt output, six outlets, 12 vdc. Outlet Control: 2x4. Size: 2-5/8" (67mm) H x 11-5/16" (287mm) W x 8" (203mm) D. Weight: 2 lbs., (.75kg)



### CSP8120

120 watt output, eight outlets, 12 vdc. Outlet Control: 2x2+2x2.

### CSP8180

180 watt output, eight outlets, 12 vdc. Outlet Control: 2x2+2x2. Size: 1-7/8" (48mm) H x 12-3/8" (312mm) W x 8-5/8" (219mm) D. Weight: 3.75 lbs., (1.4kg)



### CSP12180

180 watt output, twelve outlets, 12 vdc. Outlet Control: 2x4+2x4. Size: 1-7/8" (48mm) H x 12-3/8" (312mm) W x 8-5/8" (219mm) D. Weight: 6 lbs., (2.24kg)

# HALOGEN & LED FLASHERS

Flashers for headlight and grille light systems

## HEADLIGHT & GRILLE LIGHT FLASHERS

High reliability, solid-state, relay driven flashers in compact polycarbonate housings with mounting flanges. Epoxy encapsulated for moisture resistance. Select switching for positive, negative or bi-polar (pos/neg) switching headlights. Size (flasher only): 1-1/2" H (38mm) x 4-3/16" W x 3" (76mm) D. Weight: 10 oz. (283gr)

### SSFPOS

100% solid state, 2 outlet, 160 watts per outlet, 7 flash patterns, for positive switching headlights.

### SSFPOSC6

Same as SSFPOS, except includes mating plug for 2006-07 Ford Crown Vic Interceptor police package.

### SSFPOS16

Same as SSFPOS, except includes mating plug for 2006-07 Chevy Impala and 2007 Chevy Tahoe police package.



### UHF2150A

4 flash patterns, for positive or negative headlight switching.



### UHFPOS

4 flash patterns, for positive headlight switching.

### UHFPOSC

4 flash patterns, for positive headlight switching, includes mating connectors with 18" pigtail.



### UHFGND

4 flash patterns, for negative headlight switching.

### UHFGNDC

4 flash patterns, for negative headlight switching, includes mating connectors with 18" pigtail.



### SSF5150D

Solid-state positive switching taillight flasher, 5 flash patterns, 2006 Ford Crown Vic compatible.



### UBF5150

2004-2005 Ford Crown Victoria police package taillight flasher with OEM quick disconnect plugs.



### PEIMDC07

This module provides conditioned signals to and from the Police equipment interface module (PEIM) found on all Dodge Charger/Magnum police vehicles. Including flashing headlights and taillights. For further information refer to the Police package owner's manual supplied with the vehicle.



## UNIVERSAL HALOGEN & LED FLASHERS

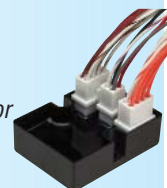
### UFM8

Eight outlet, solid-state Universal® halogen flasher, 60 watts per outlet. Selective switching system (2x2x2x2 switching) separately controls the operation of each pair. 16 flash patterns plus a Traffic Advisor™ pattern. Size: 1-3/4" (44mm) H x 5-3/4" (146mm) W x 6-3/4" (170mm) D. Weight: 1 lb., (454gr)



### ULF28

Eight outlet, two channel LED flasher. 120 watts (60 watts per channel with 5 Scan-Lock™ flash patterns, four patterns have Phase 1 and Phase 2 for alternate or simultaneously flashing LED headlights. Size: 1-5/8" (41mm) H x 1-1/2" (38mm) W x 2-1/2" (64mm) L.



### ULF22

Two outlet, LED flasher fully protected with thermal and over current protection, 5 Scan-Lock™ flash patterns, four patterns have Phase 1 and Phase 2 for alternate or simultaneously flashing headlights. Size: 1-5/8" (41mm) H x 1-1/2" (38mm) W x 2-1/2" (64mm) L.



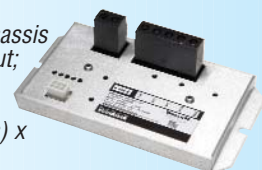
### AFM1660

Two wire design, 16 outlet halogen/LED flasher; 65 watts output; Scan-Lock™ multi-flash patterns. Interior use only, KKK-E certified. Size: 5/8" (15mm) H (without connectors) x 7-1/4" (184mm) W x 3-3/4" (95mm) D.



### AFM560

One wire design, 5 outlet halogen/LED chassis ground flasher; 650/325/65/65 watt output; Scan-Lock multi-flash patterns. Interior use only, KKK-E certified. Size: 5/8" (15mm) H (without connectors) x 7-1/4" (184mm) W x 3-3/4" (95mm) D.



### AFL530

Five post ring terminal block, LED flasher only, encapsulated 325/162.5/65/65 watt output with Scan-Lock multi-flash patterns. KKK-E certified. Size: 5/8" (15mm) H (without connectors) x 6-1/2" (165mm) W x 2-3/4" (70mm) D.



### 3TERM

3-terminal alternating or simultaneous flasher (two lamps). 180 watts per outlet. Size: 5/8" (16mm) H x 2-1/2" (64mm) W x 1-1/2" (38mm) D.



# BACKUP ALARMS

Economical, easy to install

## ELECTRONIC ALARMS

Rugged alarms are easy to install horizontally or vertically. All are 12/24 VDC and have glass-filled nylon housings. Encapsulated solid-state electronics are steam cleanable; pressure washable. Alarms meet OSHA, Bureau of Mines, and all State Regulations. Operating temperature range: -22° F - 131° F.

### WBUA97/107

97dB/107dB. Size: 2-3/4" (69mm) H x 1-1/2" (38mm) W x 4" (102mm) L.

### WBUAR9

97dB. Size with flange: 5-3/8" (136mm) Dia.

### WBUA112

87-112dB, self-adjusting to maintain 5dB above ambient noise level. Size: 4" (101mm) H x 5-1/8" (130mm) W x 2-7/8" (73mm) D.

### WBUA112C

112dB, constant output. Size: 4" (101mm) H x 5-1/8" (130mm) W x 2-7/8" (73mm) D.



WBUA97  
WBUA107

WBUAR9

WBUA112  
WBUA112C

# MINI LIGHTBARS

Strobe, Halogen and Linear Super-LED®

Mini lightbars are useful for vehicles where space is limited or where, due to the size of the vehicle, the use of two mini lightbars offers a strategic benefit over the use of a single lightbar.



## GUARDIAN™ SERIES

Available in halogen, two strobe and two Super-LED® variations. Mounting options are permanent, magnetic and magnetic-suction. Multi-color configurations available with clear and color outer domes, inner color filters and clear and inner domes.

G1 Series: Halogen, diamond mirror, 135 PRM rotators, 540 FPM total.

G2 Series: Halogen, diamond mirror, 175 PRM rotators, 700 FPM total.

G5 Series: Strobe, two Class 1 self-contained beacons with 1/2 diamond mirror

G7 Series: Strobe, two remote strobe heads, built-in high intensity remote 40 watt output power supply and diamond mirror.

G8 Series: Super-LED beacons, 14 Scan-Lock™ flash patterns, and diamond mirror.

G9 Series: Super-LED with six single level 400 Series Linear-LED lighthead.

Three year warranty on rotators, two year warranty on strobe power supply and 6 month warranty on strobe flash tube. Super-LED rated for 100,000 hours. Size: 5-7/8" (150mm) H x 7" (178mm) D x 17-5/16" (440mm) L.

## RESPONDER "LP" LOW PROFILE SERIES

New low-profile, mini lightbar with six Linear or TIR Super-LED modules provides 360° of high impact warning coverage and is only 3" in height. Lightbars have a built-in flasher to provide multiple Scan-lock patterns including steady-burn. Available in either a rugged aluminum or polycarbonate base with a polycarbonate dome that features self-cleaning inner optics. Magnetic/suction cup or permanent mount. Dimensions: Size: 3" (76mm) H x 6-1/4" (159mm) W x 17" (431mm) L.



## CENTURION™ MINI LIGHTBARS

Two rotating halogen beacons and diamond mirror, or two 22 watt, 360° strobe beacons, with color or clear domes housed in a clear or color outer lens. Optional duplex take-downs, alley lights, flashers, strobes and California steady-burn lights. Permanent mount standard, optional slide bolt mounts and 5" riser permanent mount. Size: 6-3/8" (161mm) H x 12" (304mm) W x 22" (56cm) L.

## RESPONDER® "HD" Super-LED SERIES

Heavy-duty, class 1, J845 certified mini lightbar with rugged aluminum base. Six Super-LED modules in single (R9) or dual level (R10) with built-in electronic flasher and 12 Scan-Lock flash patterns in permanent mount models. SignalAlert™ flash pattern standard in magnetic and magnetic/suction mount models. Low current and rated for 100,000 hours of operation. Available in permanent mount, magnetic mount and magnetic/suction mount models.

Size: 5-1/8" (130mm) H x 17-1/4" (438mm) W x 6-5/16" (160mm) D.



## 9M MINI EDGE®

Four and six strobe models. Permanent, magnetic mounting (four 90 lb. pull magnets). Options include: take-downs, alley lights and LED or halogen flashers. Size: 3-3/4" (95mm) H x 10" (254mm) W x 28-1/2" (72cm) L.



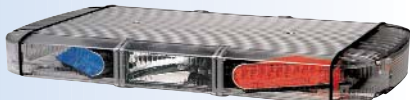
## RESPONDER "HD" HALOGEN SERIES

Two rotating halogens with rugged aluminum base plate, 135 RPM and three year warranted motor assembly, 92,000 beam candlepower, 50 watt snap-in halogen bulb. Two rotators, diamond mirror, magnetic or permanent mount, 12 VDC. Options include color filter kit and coiled cord with in-line switch available. Size: 5-1/8" (130mm) H x 17-1/4" (438mm) W x 6-5/16" (160mm) D.



## MINI LFL LIBERTY™

Four Linear Super-LED modules available in permanent or magnetic mount. Optional take-downs or alley lights available on 22" permanent mount model. Clear outer lenses. Size: 2-1/2" (64mm) H x 12" (304mm) W x 22" (558mm) L.



## RESPONDER "DX" STROBE

Two strobes, 1,500,000 peak candlepower, built-in 40 watt power supply. ActionFlash™ default flash pattern, (120 FPM / 480 FPM total) diamond mirror, 10 total Scan-Lock™ flash patterns available, 12/24 VDC. Permanent mount includes 6" pigtail, magnetic mount includes four 50 lb pull magnets and 8' straight cord with cigar plug. Size: 4-3/4" (120mm) H x 17-1/4" (438mm) W x 6-5/16" (160mm) D.



## MINI ULTRA FREEDOM™

High intensity with only 70% of strobe current draw. Four corner Linear Super-LED™ modules. Clear outer lens, optional color lens available. Parts change easily with screwdriver. Permanent or magnetic mounts available. Options for permanent mount include take-downs, alleys and front and rear Super-LED flashers. Size: 3-3/4" (95mm) H x 12" (304mm) W x 28-1/4" (717mm) L.



The use of a magnetic mounted beacon on the roof of a vehicle in motion is not recommended, and is at the sole discretion and risk of the user.

## LFL SERIES LIGHTBARS

Extreme low profile makes it difficult to detect on the roadways.



We put together all the latest technology, all the super performance, high reliability features needed to give you maximum, heads up warning in an extreme low profile lightbar that's almost undetectable on the highways. All LFL lightbars are made for the rough treatment and long hours that your job demands. From the extruded aluminum chassis on up, every component is designed and field-tested for performance under just those conditions.

- An all Linear-LED lightbar featuring the next generation of ultra bright, ultra wide-angle LED technology.
- Choose the basic four Linear Super-LED extended corner model, then add up to 12 Linear-Super LED directional modules, for a total of 16 linear LED modules.
- Optional halogen takedowns in 500 Series or MR11.
- Optional MR11 halogen alley lights.
- Sleek, aerodynamic profile, state-of-the-art optics.
- Extruded aluminum chassis provides superb strength and stability.
- Slightly wider footprint provides greater stability and weight distribution on the thinner roof construction of today's vehicles.
- All LED modules feature new wide-angle design for increased performance.
- Buy a base bar and add pairs of Linear-LED modules at any time in the future at the distributor or end user level.
- Clear outer lenses are standard, optional color lenses are available.
- 5 year HDP (Heavy-Duty Professional) warranty on LEDs.
- All models exceed SAE requirements.
- Size: 2-1/2" (64mm) H by three standard lengths; 43-1/8" (109cm), 48-1/2" (123cm) or 53-7/8" (137cm).

### LFL LIBERTY™ SX Series

LFL Liberty features the next generation, all Linear-LED® technology that rivals strobe in impact. Now standard, with extended Super-LED corner modules which expands visibility to critical 90° angles. All LFL Liberty models provide heavy-duty, long life operation with low, low current draw.

- Optional five or six LED Traffic Advisor with ultra high intensity Linear-LED modules or five or six split Traffic Advisor with passenger side warning alternates with driver side warning.
- Each Super-LED lighthouse is driven by an all electronic module that provides proper input power and choice of flash patterns. You are assured of equal light intensity from each lighthouse through a voltage range of 10-16 VDC.
- Scan-Lock allows you to scan through multiple flash patterns and lock in the desired pattern. Every pair of lights can have its own unique pattern.
- Low "LC" current operation uses a small diameter external cable harness for operation with standard or low current switch controls or micro switches.
- Prewired with 15' passenger side cable exit.
- Customer installed upgrade kits to convert SL version to SX are available.
- Build your lightbar in any color combination with take-downs and LED modules in any position you want.

Liberty SX & SW provides added LED coverage to critical 90° angles. Shown with optional MR11 alley lights.



## WE CAN

### LFL LIBERTY™ SW Series

**WeCan Programmable Lightbar Series.** Similar to the SX Series but includes an external interface unit, the **WeCan** electronic control module (ECM), which communicates all lightbar operating functions via 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.

- This small cable allows for easier overall wiring and lightbar installation. Up to twelve different programmed warning configurations can be operated via customer-supplied switching to each of only twelve input wires to the ECM (default program pre-installed). Once the ECM is programmed, selection of these wires will allow for:
  - Complete independent "On" or "Off" control of each lighthouse.
  - Flash pattern control of each lighthouse.
  - Phase control of each lighthouse, with four phases that allow for alternating, simultaneous & combo flash patterns.
  - Cruise light control with unlimited adjustable intensity levels.
  - Independent Hi/Low control is available to any one or more Super-LED lighthouses, excluding the four corner modules (required for SAE certification).
  - Independent (sequential) or 2-wire control of the traffic arrow functions (left, right, split, and does not require a Traffic Advisor control head).

LFL Liberty's LEDs remain colorless until lightbar is turned on for a stealth appearance.



To help you build your LFL Lightbar, Whelen's "Lightbar Wizard" and "WeCad" build-a-bar programs are available on our Website at:

[www.whelen.com](http://www.whelen.com)

**Modular lightbars that you design. And now you can program your lightbar using WeCan to have complete control of each lighthouse.**



## EDGE® ULTRA FREEDOM LIGHTBAR SERIES

Super-LED technology offered in four versions.



An all Linear-LED® lightbar featuring the next generation of ultra bright, ultra wide-angle Super-LED® technology, in a warning package that rivals strobe in impact, but provides heavy-duty, long life operation with low, low current draw. Now available in two styles, the FL version with four standard corner Super-LED modules, and the new FX version with extended LED corner modules which expands visibility to critical 90° angles. All Ultra lightbars have the same modular construction and are made for rough treatment and long hours.



### EDGE ULTRA™ FREEDOM FW/FV SERIES SUPER-LED LIGHTBARS

**WeCan Programmable Lightbar Series.** Similar to the FL & FX Series but includes an external interface unit, the **WeCan** electronic control module (ECM), which communicates all lightbar operating functions via 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.

This small cable allows for easier overall wiring and lightbar installation. Up to twelve different programmed warning configurations can be operated via customer-supplied switching to each of only twelve input wires to the ECM (default program pre-installed). Once the ECM is programmed, selection of these wires will allow for:

- Complete independent “On” or “Off” control of each lighthouse.
- 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 unlimited adjustable intensity levels.
- Independent Hi/Low control is available to any one or more Super-LED lighthouses, excluding the four corner modules (required for SAE certification).
- Independent (sequential) or 2-wire control of the traffic arrow functions (left, right, split, and does not require a Traffic Advisor control head).
- The FV Series has four standard length Linear-LED corner modules with FLALY or MR16 alley light options.
- The FW Series has four extended length Linear-LED corner modules with MR11 alley light option.

- All models meet or exceed SAE Class 1 and California Title XIII requirements.
- Build your lightbar in any color combination with take-downs and LED modules in any position you want.
- Clear outer lenses are standard, with optional color lenses.
- Five year HDP (Heavy-Duty Professional) warranty on LEDs.
- Standard lengths: 44”, 50”, 55”, 60” & 72”.
- Size: 3-3/4” (95mm) H x 12” (304mm) W x 44-3/8” (113cm) or 49-3/4” (126cm) or 55-1/8” (140cm).

### EDGE® ULTRA FREEDOM FL/FX SERIES SUPER-LED® LIGHTBARS

- Choose the standard 4 corner Linear Super-LED or new “FX” extended corner module, then add up to twelve Linear Super-LED directional modules for a total of sixteen Super-LED modules.
- NFPA lightbars meet NFPA 1901 Lighting Standards with standard lengths of 55”, 60” and 72”.
- Optional halogen flashing take-downs, alley lights and five or six LED Traffic Advisor™ with ultra high intensity Linear Super-LED modules.
- Each group of four LED lighthouses are driven by an all electronic module that provides proper input power and choice of flash patterns. You are assured of equal light intensity from each lighthouse through a voltage range of 10-16 VDC.
- Scan-Lock allows you to scan through multiple flash patterns and lock in the desired pattern. Every pair of lights can have its own unique pattern.

### EDGE ULTRA™ FREEDOM II FC SERIES

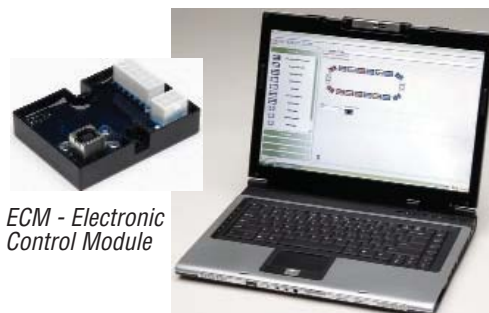
- The Freedom II FC Series has all the great features of the FW lightbars with extended corner modules plus independent control of upper and lower levels of each split color lighthouse.



Freedom FX & FW provides added LED coverage to critical 90° angles with extended corner modules. Shown with optional MR11 alley light.



Freedom FL & FV has standard length corner modules. Shown with optional FLALY alley light.



ECM - Electronic Control Module

Laptop or PC is used to configure control of the lightbar with WeCan program installed.

To help you build your Ultra Freedom, Ultra Strobe or 9M Lightbar, Whelen's “Lightbar Wizard” and “WeCad” build-a-bar programs are available on our Website at: [www.whelen.com](http://www.whelen.com)



# EDGE® ULTRA STROBE LIGHTBAR SERIES

Modular design with snap-in components.



SCANLOCK



Scan-Lock provides ten easily accessible flash patterns.

## EDGE® ULTRA STROBE LIGHTBARS

Edge Ultra starts with new modular architecture “snap-in/lock-in” components, and an internal wiring harness that lets you select the exact strobe, LED and halogen warning configuration you require. Easily upgradeable. For example, buy a four-strobe version today; add up to eight more strobe modules or other options at a later date.

- Design your own lightbar in your choice of strobe, halogen and LED modules or build in a halogen or LED Traffic Advisor™ if desired.
- All Ultra lightbars meet Class 1 SAE and California Title XIII requirements.
- Ultra LC is available in four, six, eight, ten or twelve strobe models.
- Internal electronics allows for twenty-two gauge external wiring for all switching functions.
- Low “LC” Current operation uses a small diameter external cable harness for easier installation and operation with standard or low current switch controls or micro switches.
- Secondary warning lamp modules available are all strobe, all halogen, all LED; combination: strobe over halogen, strobe over LED, halogen over halogen, LED over LED, and brake/tail/turn.
- End caps with clear lenses and color inner filters allow individual color selection of front and rear end warning lamps. Color filters are also available for duplex light modules.
- All lamp modules and lenses (except end caps and end position) are the same size and can be placed anywhere on the lightbar.
- Strobe power supplies provide ten externally selectable flash patterns using Scan-Lock™ (patent pending) momentary selection switching.
- New optional “Personality” module provides enhanced control and added flexibility to the operation of all lamps in the Ultra LC. Contact your Whelen Representative for details.
- Three standard lengths: 44”, 50” & 55”. Custom lengths available: 60”, 66”, 72”, 77”, 82”, 88”, 93” & 98”.
- Pre-wired with 15’ passenger side exit cable. Optional driver side cable exit is available.
- New upgraded strobe power supplies are located on the ends of the lightbar for ease of access and provide 25% more power to each strobe tube.
- 5 year HDP (Heavy-Duty Professional) warranty on power supply, 2 year warranty on strobe tubes.
- Size: 3-3/4” (95mm) H x 12” (304mm) W x 44-3/8” (113cm) or 49-3/4” (126cm) or 55-1/8” (140cm).

## EDGE® 9M SERIES LIGHTBARS

User friendly, cost efficient and totally modular construction.



Built on the classic Edge® 9000 extruded aluminum I-Beam chassis, the 9M Series is highly effective, user friendly and cost-efficient.

SCANLOCK



Available in four, six, eight, ten or twelve strobe versions, 9M features modular construction “snap-in/lock-in” components for ease of service and exchange or upgrade. Optional Scan-Lock™ flash pattern control is available, along with a wide choice of Traffic Advisor™ models.

- Classic Edge® proportions with straightforward, modular construction for changes, upgrades or service.
- Models include 4, 6, 8, 10, or 12 strobe lighthoods plus up to ten secondary warning, halogen or LED modules. Optional, built-in Traffic Advisor in strobe, halogen or LED versions.
- Modular design. Lamp modules and slide-in lenses are of equal size and can be placed anywhere in the lightbar (except end caps and end position).
- End caps with clear lenses and color inner filters allow individual color selection of front and rear end warning lamps. Color filters are also available for duplex light modules.
- Available with Scan-Lock flash pattern control that lets you toggle through ten strobe patterns and lock in the one you select. Pattern is stored in non-volatile memory until you decide to change. Scan-Lock controls five halogen and five LED patterns.
- Most options are available in kit form, field-upgradeable by distributor, installer or user.
- Pre-wired with passenger side exit, 15’ external cable harness.
- Includes two power cables (8 gauge) to the battery, and sixteen low power (22 gauge) function wires for connection to the customer supplied switch control. These low power function wires need less than 1/2 amp to operate, allow for simple operational independence of each lightbar control function, and make wiring a snap! Optional driver side cable exit with 25’ power cable available.
- Three standard lengths: 44” (44-7/64”), 50” (49-3/4”) and 55” (55-1/8”). Contact factory for custom lengths.
- Mini 9M lightbar available in four or six strobe versions in magnetic, or permanent mount. Permanent mount available with a wide variety of options.
- All models meet or exceed SAE Class 1 and California Title XIII.

**Since 1992 Whelen has lead the industry with Serial Communication products for law enforcement. Tens of thousands of these system components are out on the road working for you already, proving that reliability and enhanced performance add the extra measure of safety for the hazards you face every day.**

**SERIAL COMMUNICATION LIGHTBARS**  
Networked vehicle warning systems



**Systems are sold through Authorized Serial Communications Dealers only.**

Serial communications link together the light and siren operations in your vehicle so that they work together as a total warning system. Programming is simple, is not affected by loss of power and is secure at the user level. "Hands-free" operation, provided by the MPC01 controller, allows operation of the lights and auxiliary equipment by simply pressing one button or tapping the horn ring. The MPC01 control head adds siren operation. The MPC02 has 6 on/off push button switches, a dedicated "Traffic Advisor" and "Hi/Low" switch and does not include siren feature. The MPC03 features 18 push buttons, 4 position slide switch and a Traffic Advisor display. The two-wire network makes it easy to add, upgrade and change modules.

**EDGE® ULTRA SC**

- Two inches wider, same height as the Classic Edge 9000 models.
- Four, six, eight, ten or twelve strobe models available.
- Duplex modules front, rear or sides allow many options including built-in Traffic Advisor.
- Endcap offers optional over/under combination strobe/halogen or strobe/LED module.
- Duplex reflector assembly available with snap-on half lenses.
- LED options include full size or duplex Traffic Advisors, flashers and California steady lights.
- Standard complete internal wiring harness makes it easy to add options as your needs change.
- Pre-wired with 15' passenger side cable.
- Standard lengths 44", 50" and 55".

To help you build your SC Lightbar, Whelen's "Lightbar Wizard" and "WeCad" build-a-bar programs are available on our Website at:

[www.whelen.com](http://www.whelen.com)

**LFL LIBERTY™ SC**

- Extreme low profile lightbar (2 1/2" high) with all Super-LED® module design for long life and low current draw.
- Choose the basic four Linear Super-LED extended corner model, then add up to 12 Linear-Super LED directional modules, for a total of 16 linear LED modules.
- Optional take-down and alley lights.
- Optional five or six Super-LED Traffic Advisor.
- Pre-wired with 15' passenger side cable exit.
- Standard sizes: 43", 49" and 54".
- Exceeds SAE requirements.



Liberty ST provides added coverage to critical 90° angles. Shown with optional MR11 alley lights.

**EDGE® ULTRA FREEDOM™ SC**

- Classic Edge styling with a slightly wider stance in an all Super-LED design.
- Choose the standard 4 corner Linear Super-LED or new "FD" extended corner module, then add up to twelve Linear Super-LED modules for a total of sixteen modules.
- Duplex Super-LED modules allow a different color scheme for top and bottom levels and individual control of each level.
- Optional halogen flashing take-downs, alley lights and five or six Super-LED Traffic Advisor.
- Standard sizes: 44", 50" and 55".



Freedom FD provides added coverage to critical 90° angles. Shown with optional MR11 alley lights.



MPC01



MPC02



MPC03



Your existing customer record is PC based and may be modified at any time and then downloaded directly to the MPC01 or MPC02 Controller.



**DELTA™ INDEPENDENCE™ LIGHTBAR SERIES**  
 Halogen primary, with secondary strobe, LED, Super-LED® and halogen lighting.

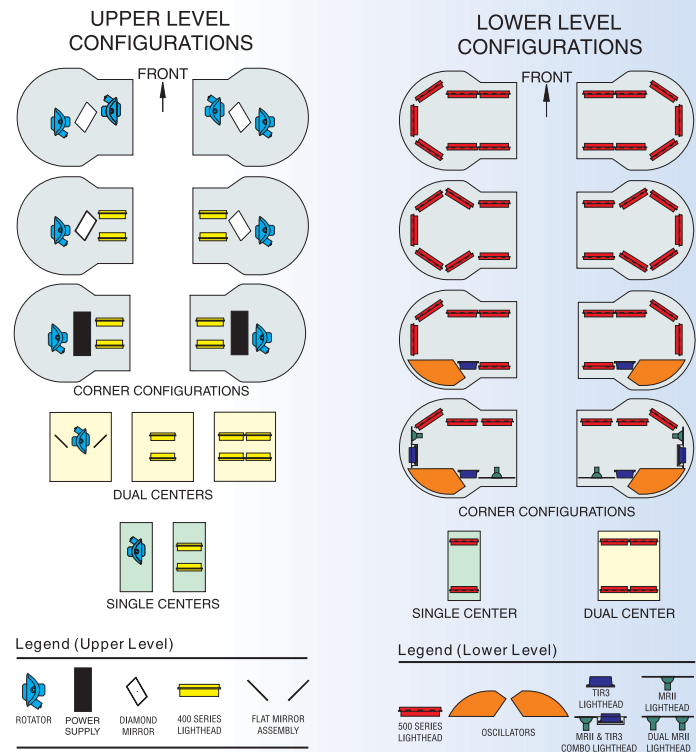


Look at the future with the Delta Independence lightbar. Contemporary lines showcase all the latest lighting technologies and, because Independence was designed from the base up, you'll appreciate the superior fit and finish of every model.

First of the Series, Delta Independence offers sleek multi-level warning and features halogen rotating light for primary warning with halogen, strobe and LED auxiliary warning. Independence displays plenty of flash activity while still allowing options like halogen oscillators, take-down (work light) and alley lights and a built-in lower level TIR6 Super-LED® Traffic Advisor™.



- Class 1, SAE Certified, all models.
- Two to six rotating halogen modules plus diamond mirrors.
- Halogen rotators are available in standard 135 FPM or high speed 175 FPM and feature precision double ball bearing design for quiet long life and superior performance, and requires only standard, off-the-shelf H1 bulbs for replacement.
- Multi-level styling for 360° uninterrupted warning.
- Two front and/or rear halogen oscillators, optional.
- Up to four halogen take-down (work lights) and alley lights, available in 500 Series halogen or MR11 style, optional.
- Two or four linear strobes for either upper level or lower level, optional.
- MR11 take-downs (work lights) and alley lights, single or dual with or without TIR3™ Super-LED warning, optional.
- Up to eight lower level LED flashers, front and/or rear.
- Half cylinder filters available for split rotator color requirements, optional.
- Built-in lower level halogen, LED or TIR6™ Super-LED Traffic Advisor™ Arrow System, optional.
- Dome available in all five safety colors (individual colored filters on each rotator with clear dome).
- Height from base to top of dome approximately 5-1/2".
- Standard lengths, 44-5/16", 49-3/4", 56-3/8", 61-13/16", and 72-11/16".
- The shatter-resistant dome is secured to the base with just four screws on a polycarbonate platform for easy access to internal components.
- Extruded aluminum base will not sag or warp. Rugged, six-point polycarbonate mounting feet provide a stable stance on the thinner roofs of today's vehicles.
- Delta Independence lightbars are easy to install, easy to maintain and easy to operate with astounding warning capability.
- 15' cable length, standard.
- 12 VDC.
- Sizes: 5-1/2" (140mm) H x 16-3/4" (425mm) D x 44-5/16" (113cm) or 49-3/4" (126cm) or 56-3/8" (143cm) or 61-13/16" (157cm) or 72-11/16" (185cm) L.



**Note:** Diagrams shown with maximum number of lighting components. You may select number of front or rear facing components required to meet your lighting needs.

To help you build your Delta Lightbar, Whelen's "Lightbar Wizard" and "WeCad" build-a-bar programs are available on our Website at:  
[www.whelen.com](http://www.whelen.com)

# INNER-EDGE™ SERIES LIGHTBARS

Undercover virtually undetectable Super-LED warning systems.



You choose the housing to fit your vehicle and the number of light modules you need.

Choose three, five, six, seven, eight or ten, super bright Super-LED modules mounted in a rugged housing that fits snugly against the upper front windshield or back window of late model Ford Crown Victoria, Expedition, Explorer, F150/F250/F350, Chevy Impala, Suburban, Tahoe, Silverado, Dodge Charger, Magnum, Durango and Chrysler Aspen police vehicles.

- Full-featured interior lightbar that is virtually undetectable when not in operation.
- Two MR8 halogen take-down lights, standard on front full size units.
- Super-LEDs are low current, vibration and moisture resistant for reliable long life operation.
- Easy installation to visor anchor points without drilling holes.
- Requires customer supplied switches or control head, purchased separately.
- Available in four safety colors.
- Scan-Lock® provides multiple flash patterns.
- Order by choosing the housing model, and then add LED lighthouse colors.
- Five-year warranty on LEDs.

## FORWARD FACING SERIES

### Low Profile Super-LED Series

- Meets SAE and California Title XIII specifications.
- One or two piece models.
- Two piece design is available as individual driver and passenger side units or as a single passenger side unit only.
- Choose a split model with either five lighthoods, or, four lighthoods with an MR8 flashing take-down on either side or a full sized model with 10 or 12 lighthoods with center modules angled to cover critical 45 degree angles.
- Additional TIR3 and LIN3 lenses are supplied for customizing light dispersion.
- Split version fits late model Ford Crown Victoria, Expedition, Explorer, F150/F250/F350, Chevy Impala, Suburban, Tahoe, Silverado, Dodge Charger, Magnum, Durango and Chrysler Aspen police vehicles.
- One piece version fits Ford Crown Victoria only.

### Three Linear-LED® Series

- Three super bright Linear-LED modules in a smaller housing that fits snugly against the upper front windshield of Ford Crown Victoria, Chevy Impala and Dodge Charger police vehicles.
- Four models available: solid color, split center lamp, clear center mount remote strobe and center MR8 take-downs.
- Size: 2-3/4" (71mm) H x 7-1/8" (181mm) W x 18" (46cm) L.

See page 24 for Inner-Edge Traffic Advisors



## REAR FACING SERIES

### Rear Facing Upper Series

- Available in TIR3 or Linear-LED.
- Choose from four configurations with eight or ten TIR3 Super-LEDs
  - eight or ten lamp warning light or Traffic Advisor
  - eight lamp unit with six lamp Traffic Advisor with end flashers
  - ten lamp unit with eight lamp Traffic Advisor with end flashers
  - ten lamp unit with six lamp Traffic Advisor with two flashers on either end.
- Linear-LED models available with eight warning or Traffic Advisor modules or six lamp Traffic Advisor with end flashers.
- Available for Ford Crown Victoria only.

### Rear Facing Lower Series

- Choose from six or eight Linear-LED models for warning or Traffic Advisor operation or eight lamp unit with six lamp Traffic Advisor with end flashers.
- Available for Ford Crown Victoria, Chevy Impala and Dodge Charger.

# VAL-U-BAR™ SERIES LIGHTBARS

Cost effective, high visibility and reliable warning

Whelen's Val-U-Bar lightbar series provides a cost effective alternative to higher cost lightbars, while still providing maximum, reliable warning for your vehicle. New rotating assemblies have precision double roller bearing design for superior performance and quiet long life operation. New parabolic reflector increases light output and newly redesigned steel base plate provides optimum shock mounting capability. New three-year warranty on motor assembly.

- 2, 4 or 6 rotating halogen assembly models, permanent mount.
- High reliability and long service life.
- Low current consumption.
- Heavy-duty, extruded aluminum base.
- Shatter-resistant, polycarbonate outer domes.
- Optional color filter kit for rotators, for use on models with clear outer lens.
- Size: 5-1/8" (130mm) H x 47" (119cm) L x 6-1/8" (156mm) D.



# Centurion™



A bigger, bolder, brighter rotating halogen lightbar ideally suited for larger vehicles. Rugged Centurion lightbars are sized to hold a wide range of factory or customer installed options including a 123 dB speaker, high rise mounting brackets, polished cast mounting feet and more. It's easy to install, easy to maintain. Build the Centurion that meets all of your requirements... now and down the road!

## CENTURION™ SERIES LIGHTBAR

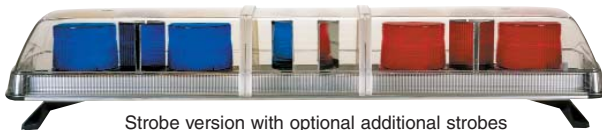
Rotating Halogen, Strobe and Combination



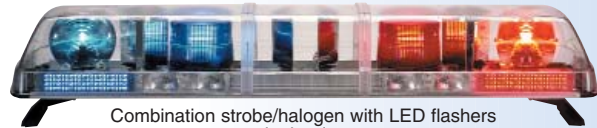
Four rotator with optional inner color filters, center rotator, take-downs and outboard strobes



Built-in Traffic Advisor™ option



Strobe version with optional additional strobes



Combination strobe/halogen with LED flashers and take-downs

- Rotating assemblies have precision double ball bearing design for superior performance and quiet long life operation. New parabolic reflector increases light output and redesigned steel base plate provides optimum shock mounting capability.
- Two speed motors: 135 RPM outboard; 175 RPM inboard.
- Parabolic reflector assembly with 50 watt snap-in halogen lamps increases optic light spread for increased light output.
- Double ball bearing rotor design creates less friction, less noise and maintains accurate flash rates in a wide temperature range.
- Aluminum base plate never warps or sags, provides optimum shock mounting capability and is backwardly compatible for replacement.
- Captive tongue & groove design secures dome to base with added moisture resistance.
- Parts change easily using only a screwdriver.
- Mounting foot kit provides wider foot print for greater stability.
- Standard sizes include 22", 48", 52", 60", and 72".
- Models include solid color domes with clear lower level lens and clear lens dividers.
- Meets SAE and California Title XIII requirements.
- A wide range of options, which can be factory installed or easily added later by the customer.



Some options shown are: halogen work lights, center rotator with mirrors, 14 Series corner strobes, strobes, flashers, rotator color filter, duplex alley lights, duplex take-down lights, duplex LED brake/tail turn lights.

### STROBE LIGHTBARS

Two 22 watt, 360° Strobe beacons with color or clear domes housed in a clear or color outer lens. Standard lengths are 22", 48", 52", 60" and 72".

### COMBINATION LIGHTBARS

Strobe, rotating, flashing halogen or LED combination lightbars available. Contact factory or request Build-A-Bar program for more information.

## HI-WAY™ RISER SERIES LIGHTBARS

Ideal for accident control, work zones, vehicle breakdown and other high visibility needs.



Hi-Way lightbars are two independent lightbars with lift mechanisms that raise the lightbars from a horizontal to a vertical position above your vehicle. A sturdy cast aluminum base supports the system which is available in 48" and 56". Gas-assisted lifting arms move the lightbars into position smoothly and quietly. Extruded aluminum lightbars feature 400 Series linear strobe and LED encapsulated lamp modules. One or two six outlet, encapsulated 90 watt power supplies with four selectable flash patterns. Permanent mounting kit included, optional mounting kits available. 48" (122cm) or 56" (142cm) lightbar, each with lift mechanism.



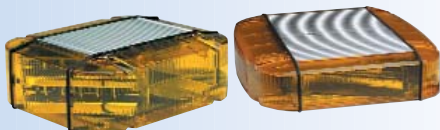
# LIGHTING FOR SPECIAL APPLICATIONS

Vivid lighting for the Utility or Tow and Recovery professional



## TOWMAN'S T103

Strobe System with two MCEDGE™ dual strobe lighthoods, UPS64LXA 60 watt power supply, switch control panel and 20' cable.



## TOWMAN'S T105/ T106

LED System with two LFL Liberty™ or Ultra Freedom™ lighthoods with built-in LED flasher, switch control panel and 20' cable.



## TOWMAN'S CENTURION™

Bi-level lightbar includes four precision double ball bearing rotating halogen modules in a heavy-duty extruded aluminum base. 500 Series LED brake/tail/turn lights and 400 Series upper level work lights and LED flashers.



## TOWMAN'S FREEDOM & LIBERTY™ LIGHTBARS

For the road recovery and towing industry; heavy-duty, long life, and low current draw. Standard with four corner Linear-LED modules, rear facing halogen work lights and LED brake/tail/turn signals. Add pairs of Linear-LED modules as desired. Control lighting of front of bar, rear or both. Standard mounting is 3-1/2" (89mm) mounting studs on adjustable sliding brackets. Custom lengths available.



## TOWMAN'S EDGE 9M SERIES

60" long lightbar includes built-in, rear facing brake/tail/turn signals and work lights. Available in 4, 6, 8, 10 & 12 strobe models. Standard mounting: three 3-1/2" (89mm) mounting studs on adjustable sliding brackets. Factory installed options include: forward facing work lights, alley lights, halogen flashers, cruise lights, sign panels and illuminated signs with custom logos, ICC lights, Traffic Advisor™ and custom lengths.



## TOWMAN'S DELTA™ INDEPENDENCE™

Newest Towman's lightbar. Bi-level lighting with three models available. Includes precision double ball bearing rotating halogen modules in 135 RPM and 175 RPM, rear facing 500 Series TIR6™ Super-LEDs, 500 Series LED brake/tail/turn lights and 400 Series upper level work lights.

# EDGE® & LFL LIGHTBAR OPTIONS

Customize and enhance most lightbar models

Only the Edge offers the operator so much flexibility in warning light functions and enhancements. The advanced modular design allows you to customize, upgrade and service your lightbar for added years of superior performance.

- Halogen & Super-LED® take-downs/flashers/alley lights
- MR11 take-downs and alley lights
- MR16 alley lights
- Duplex halogen take-downs/ flashers/alleys
- LED flashers and duplex LED flashers
- LED Brake/tail/turn lights
- California steady-burn light
- LED cruise lights
- 3-M Opticom™ Emitter
- Piercer II™, intersection clearance module
- Pierce Alert™ oscillating halogen light module
- Traffic Advisor™ supplemental lighting
- Smart Arrow Messenger™ supplemental lighting
- Strap mounting kits
- Custom lengths
- Lightbar signs
- Switch Controls



Traffic Advisor™ in Ultra Lightbar



MR11 Alley lights in Liberty Lightbar



LED flashers, halogen take downs and duplex strobe and halogens flashers in Ultra™ lightbar



Alley lights in 9M Lightbar



Duplex Alley lights in Ultra Lightbar



Smart Arrow Messenger in 9M lightbar



Strap Kits



Pierce Alert



Piercer II



PPCS9NP Low Current Switch Control

To help you build your Lightbar, Whelen's "Lightbar Wizard" and "WeCad" build-a-bar programs are available on our Website at:

[www.whelen.com](http://www.whelen.com)

- Low profile or high profile models, extruded aluminum housings.
- Rotary switch selects: left arrow, right arrow, split arrow or alternately flashing pattern.
- LED status display for visual indication of pattern in operation.
- Long life, high intensity LEDs are rated for over 100,000 hours of operation.
- Extremely low current consumption.
- Surface mounting eliminates large body panel cutouts.
- All models include TACTLD1 control head, cable and connectors, (except Dominator Series, see page 6).

**CONTROL HEADS**

A four function rotary switch selects from: left arrow, right arrow, split arrow, or flash pattern. The dip switch on the rear panel selects the choice of 8 programmable flash patterns. Features visual LED status display. TACTRL1A for halogen and TACTLD1 for LED, allow remote activation of the "Flash Pattern Mode" and end lamp enable/disable feature.



**TRAFFIC ADVISOR™ - LED STRAIGHT STYLE**

Low profile, high intensity LED, and Super-LED® traffic control products.

**TIR3™ SUPER-LED®**

Features high intensity, rugged TIR3 Super-LED lamps, which are long lasting and water resistant. Variable mounting pattern via slide bolts. Flashing end lamps available in amber, red, blue and white. Size: 1-3/4" (44mm) H x 2-3/16" (60mm) D.

**TAM Series, Extreme low profile, black housing.**

**TAM63** Six lamps, approximately 22" (558mm).

**TAM83** Eight lamps, 28-3/8" (72cm).

**TAM83\*\*** Eight lamps with two end flashing lamps, 28-3/8" (72cm).

**TAM83CV** Eight lamps with clearance spacer panel for Ford Crown Victoria's third brake light, 43-1/2" (110cm).

**TAM83C\*\*** Eight lamps with clearance spacer panel for Ford Crown Victoria's third brake light, two end flashing lamps, 43-1/2" (110cm).

**TAD Series Super-LED Dominator, see page 6 for details.**

For internal or external use. Requires optional switches or TADCTL1 control head.

**TAD6** Six lamps, approximately 22" (558mm).

**TAD8** Eight lamps, 28-3/8" (72cm).

**TAD8\*\*** Eight lamps with two end flashing lamps, 28-3/8" (72cm).

**500 SERIES Linear-LED**

Front loading lighthoods.

**Low profile rectangular black housing.**

**TANF85** Eight lamps, 43-1/4" (109cm).

**TANF85\*\*** Eight lamps, with two flashing end lamps, 43-1/4" (109cm).

**500 SERIES TIR6™ SUPER-LED**

Highest intensity Super-LED lamps which rival strobe in intensity.

Size: 2-7/8" (73mm) H x 2-1/4" (57mm) D.

**Low profile flat-style black housing.**

**TAM65** Six lamps, 36" (91cm).

**TAM85** Eight lamps, 46-7/8" (119cm).

**TAM85\*\*** Eight lamps. Two flashing end lamps, 46-7/8" (119cm).

**Low profile rectangular black housing.**

**TA837M** Eight lamps, 46-7/8" (119cm).

**TA837M\*\*** Eight lamps with two flashing end lamps, 46-7/8" (119cm).

**TA4437M** Eight lamps in a two-piece housing.

Size each piece: 22-3/4" (58cm).

**500 SERIES 5mm LED**

Medium intensity 5-millimeter LED lamps provide highly effective warning and signaling at a more economical price.

**Low profile black housing.**

**TAL65** Six lamp LED, 36" (91cm).

**TAL85** Eight lamp LED, 46-13/16" (119cm).

**TAL85\*\*** Eight lamps, with two flashing end lamps. Size each piece: 46-13/16" (119cm).

**Low profile rectangular black housing.**

**TA837L** Eight lamps, 43-1/4" (109cm).

**TA837L\*\*** Eight lamps, with two flashing end lamps, 43-1/4" (109cm).

**TA4437L** Eight lamps in a split two-piece housing.

Size each piece: 22-3/4" (58cm).

**Edge®+Plus STYLE 700 SERIES LED**

**Higher profile natural aluminum rectangular housing.**

**TA870L** For larger vehicles, the eight lamps are built into a housing that mounts flush to vehicle with slide bolts.

Size: 3-3/4" (95mm) H x 3-9/16" (90mm) W x 72" (183cm) L.



TAM63/TAD6



TAM83/TAD8



TAM83RB/TAD8RB



TAM83CV



TAM83C\*\*



TANF85



TANF85RB



TAM65



TAM85



TAM85RB



TA837M



TA837MRB



TA4437M



TAL65



TAL85



TAL85RB



TA837L



TA837LRB



TA4437L



TA870L



- Halogen and combination strobe/halogen models.
- All models include TACTRL1A, TACTLD1, TACTRL3 or TACTRL4 Controller.
- Four operating modes: left, right and split center-out directional sequences and flash.
- Low current consumption.
- Relampable halogen lightheads.

## TRAFFIC ADVISOR™ - HALOGEN STRAIGHT STYLE

### 500 SERIES HALOGEN

**Rectangular extruded aluminum black housing.**

Size: 2-7/8" (73mm) H x 2-1/4" (57mm) D.

**TA637A** Six lamps in a rectangular aluminum housing, 33" (83cm).

**TA837A** Eight lamps in a rectangular aluminum housing, 44-1/4" (112cm).

**TA837AMP** Six lamps and two end remote strobe modules.

Power supply purchased separately, 44-1/4" (112cm).

**TA4437A** Eight 500 Series halogen lamps in a two-piece housing.

Size each piece: 22-3/4" (58cm).

**Higher profile rectangular natural extruded aluminum housing.**

**TA870A** Eight wide-angle halogen lamps in an Edge®+Plus™ housing which mounts flush to vehicle with slide bolts. Custom lengths available.

Size: 3-3/4" (95mm) H x 3-9/16" (90mm) W x 72" (183cm) L.



## TRAFFIC ADVISOR™ - ARROW STYLE



- Meets MUTCD2000 specifications (When mounted on appropriate backboard).
- Four operating modes; left, right, split and flash.
- Eight programmable flash patterns.
- Removable arrowheads for ease of storage and shipping.
- All include cable and connectors.
- 25' of 16-conductor cable supplied.
- Extruded aluminum housing with black finish.

### 500 SERIES Linear-LED®

**Sleek extruded aluminum black housing with front loading lightheads.**

**TA125NF** Twelve Linear-LED lamps, one piece.

Size: 16" (406mm) H x 5-1/4" (133mm) D x 48" (122cm) L.

**TA165NF** Sixteen Linear-LED lamps, one piece.

Size: 23-1/4" (590mm) H x 5-1/4" (133mm) D x 48" (122 cm) L.

### 500 SERIES LED

**Lower profile extruded aluminum black housing.**

**TA1652L** Sixteen (5" x 2") lamps, one piece.

Size: 23-1/4" (590mm) H x 5-1/4" (133mm) D x 48" (122 cm) L.

### 500 SERIES HALOGEN

**Lower profile extruded aluminum black housing.**

**TA1652H** Sixteen (5" x 2") lamps, one piece.

Size: 23-1/4" (590mm) H x 5-1/4" (133mm) D x 48" (121cm) L.

**TA8852H** Sixteen (5" x 2") lamps, two sections.

Size each piece: 23-1/4" (590mm) H x 5-1/4" (133mm) D x 27-1/2" (698mm) L.

### 600 SERIES LED & HALOGEN

**Higher profile extruded aluminum black housing.**

**TA1664H** Sixteen Halogen (6" x 4") lamps, one piece.

Size: 36-1/2" (927mm) H x 4" (102mm) D x 5', 6', 7' or 8' L.

**TA1660L** Sixteen LED (6" x 4") lamps in serial communications, one piece.

Uses small diameter wires: 2-C 22 gauge for control and a 2-C 10 gauge power cable.

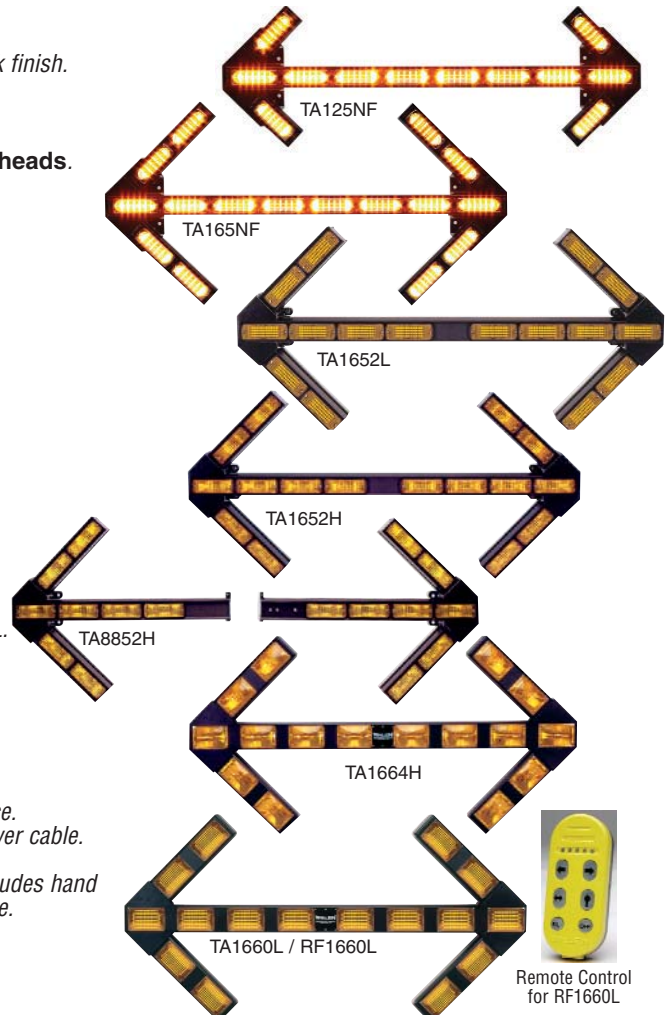
Size: 36-1/2" (927mm) H x 4" (102mm) D x 5', 6', 7' or 8' L.

**RF1660L** Wireless, Remote Control, change flash patterns on the fly. Includes hand held remote.

Sixteen LED (6" x 4") lamps in serial communications, one piece.

Uses small diameter 2-C 10 gauge power cable.

Size: 36-1/2" (927mm) H x 4" (102mm) D x 5', 6', 7' or 8' L.



Remote Control for RF1660L



## INNER-EDGE TRAFFIC ADVISOR™

Super-LED® modules in sturdy housing that mounts against the top of the back window or rear deck of late model police vehicles. Two wire design operates Traffic Advisor flash patterns and eliminates need for control head.

Upper models include eight Linear Super-LEDs or eight or ten TIR3™ Super-LED modules. Lower models include six or eight Linear Super-LEDs.

### TIR3™ Super-LED® MODELS

Choose from four configurations with eight or ten TIR3 Super-LEDs.

- Eight or ten lamp Traffic Advisor, field programmable.
- Eight lamp unit with a six lamp Traffic Advisor with a single flasher on either end.
- Ten lamp unit with an eight lamp Traffic Advisor with a single flasher on either end.
- Ten lamp unit is available with a six lamp Traffic Advisor with two flashers on either end.



### Linear-LED® MODELS

- Six or eight programmable module Traffic Advisor.
- Six lamp Traffic Advisor with a single flashing light on either end.

## SMART ARROW MESSENGER® LED SERIES

Improve job site safety and communicate roadway hazard information.

Advanced traffic control messaging optional for Edge® and Edge®+Plus™ Lightbars, the Smart Arrow Messenger delivers text and symbolic information across a high-intensity LED display. Messages may be presented in a variety of formats fixed/flashing/scrolling. An easy to use control head allows the selection of up to 128 pre-determined messages. Contact factory for more information.



MGC01 Standard control head



MGC02 Premium control head

## BUILT-IN TRAFFIC ADVISOR™ SERIES

For stand alone or supplemental use.

### BUILT-IN TRAFFIC ADVISOR SERIES FOR EDGE® ULTRA™, FREEDOM™, LFL, 9M, CENTURION™ AND DELTA™ INDEPENDENCE™ LIGHTBARS

Five, six or eight lamp models in halogen, strobe, LED and Super-LED® with full size or duplex lamp modules. Consult current price list for descriptions model numbers regarding specific lightbars.

**Edge Ultra Series** offers five or six halogen or duplex halogen modules or five or six LED or duplex LED modules with control head.

**Edge 9M Series** offers five or six halogen or duplex halogen modules, five or six LED or duplex LED modules and five or six strobe or duplex strobe modules with control head.

**Edge Ultra Freedom Series** offers five or six Linear-LED modules available in a 2 wire control. No control head is required.

**LFL Liberty Series** offers five or six Linear Super-LED modules available in a 2 wire control or with a control head.

**Centurion Series** offers six or eight halogen modules. Not available in all lightbar models.

**Delta Independence** offers five, six, seven or eight modules in halogen, LED and TIR6 Super-LED.



Halogen Traffic Advisor built into Edge 9M lightbar.



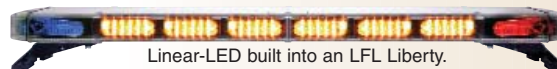
Duplex halogen Traffic Advisor built into Edge Ultra lightbar. Not available with all Edge lightbars.



Linear-LED Traffic Advisor built into Edge Freedom.



LED Traffic Advisor built into Edge Ultra.



Linear-LED built into an LFL Liberty.



Halogen Traffic Advisor built into Centurion.



TIR6 Super-LED Traffic Advisor built into Delta.

### TRAFFIC ADVISOR CONTROLS

Easy to operate, 3 position rocker switch: on-high, off, on-low. Rotary switch selection of four operating modes: left, right and split center-out directional sequences and flash. Dip switch on back of control allows selection of one of eight lamp sequencing patterns (non-diagnostic models only).



# SIREN AMPLIFIERS

HFS Series includes 5 year HDP warranty



- AMECA certified to meet Class A requirements of SAE, KKK1822 and California Title XIII specifications. (Certifications are based on siren amplifier and speaker combination).
- 100/200 watt output, Hands-Free operation, Real-time Diagnostix™
- Adjustable microphone and radio repeat volume controls.
- Standard features include Manual, Wail, Yelp, Airhorn and Piercer Tones.
- SI TEST®, fully diagnostic silent test of amplifier and speaker(s).
- Adjustable intensity backlighting in soft LED non-glare green.
- Exclusive five year, Heavy-Duty Professional (HDP) warranty on HFS sirens.
- Models 294HFSA1, 295HFSA5/A6 now feature Park Kill.



## HHS2100

Now you can easily control all light and siren functions from this compact hand held controller with built-in microphone. Moisture-resistant controller features 12 rubberized, backlit push buttons including progressive three-position push button lighting control. The unit is microprocessor controlled and rated for one or two 100 watt speakers. Hands-free operation. Wail, Yelp, Piercer, Manual Siren and Airhorn tones are standard. Optional mechanical siren tone. 6' coiled cord microphone cable. 20' of interconnect cable included.  
 Size: Amplifier: 2-1/2" (64mm) H x 8" (203mm) W x 7" (184mm) D.  
 Control Head: 5-5/16" (135mm) H x 2-1/4" (57mm) W x 1-1/8" (28mm) D.



## 295HFSA1

Full function self-contained unit for underdash or rack mounting. Includes PA volume control on faceplate. Size: 2-1/2" (64mm) H x 6" (152mm) W x 6-7/8" (175mm) D. Weight: 4-1/2 lbs., (2kg)

**295HFSA1** Same as 295HFSA1, except with electronic mechanical siren tone in place of Piercer tone.

**295HFSA1** Same as 295HFSA1, except with power call type siren tone in place of Piercer tone.



## 295SL100

Economically priced. Full function siren plus radio repeat and public address. Operates up to two 100 watt speakers. Includes Hands-Free operation and Scan-Lock™ siren tones (patent pending). Self-contained unit for under-dash mounting. Hard wired microphone or removable microphone models available. 24 month warranty. Backward compatible to the original 295HF100 and WS2100 Series.  
 Size: 2-1/2" (64mm) H x 6" (152mm) W x 5-1/2" (138mm) D. Weight: 3.2 lbs., (119kg).



## 295HFS2

Full function siren with flush mount control head with remote amplifier. Control head size: 2-7/8" (73mm) H x 6-1/4" (159mm) W x 2-3/8" (60mm) D. Weight 1 lb., (.5kg)  
 Amplifier size: 2-3/8" (60mm) H x 6" (152mm) W x 7" (178mm) D. Weight: 3-1/2 lbs., (1.6kg)

**295HFS2X** Same as 295HFS2 with dual amplifiers, meets California Title 13 specs.



## 295HFS3

Full function siren with surface or under-dash mount control head with remote amplifier.

Control head size: 2" (51mm) H x 6" (152mm) W x 2-3/8" (60mm) D. Weight: 4 lbs., (1.8kg)  
 Amplifier size: 2-3/8" (60mm) H x 6" (152mm) W x 7" (178mm) D. Weight: 3-1/2 lbs., (1.6kg)



## 295HFS4

Full function siren with nine low current switch controls for lighting functions. Surface or under-dash mount control head with remote amplifier. Four position slide switch, five push-on/push-off switches and one momentary switch. Directly compatible with Edge® 9M, Ultra™ LC & LFL LC lightbars with low current switching. Solid-state switching module available separately. Control head size: 3-3/8" (86mm) H x 6" (152mm) W x 2-3/8" (60mm) D. Weight: 1-1/2 lbs., (.7kg) Amplifier size: 2-3/8" (60mm) H x 6" (152mm) W x 7" (178mm) D. Weight: 3-1/2 lbs., (1.6kg)



SWGBKT  
 Optional swing bracket for 295HFS4 Control Head installs over in-dash radio in Ford Crown Victoria Police Cruisers without drilling.



## 295HFSA5 / 295HFSA6

Full function siren with nine switch controls for lighting functions. Four position slide switch, six push-on/push-off switches. Self-contained unit for under-dash mounting. Available in standard and low current switching. Size: 3-5/16" (84mm) H x 6" (152mm) W x 8-3/8" (213mm) D. Weight: 4-1/2 lbs., (2kg)

**295HFSA5** Same as 295HFSA5 except with electronic mechanical siren tone in place of piercer tone.



## 295HFSDA

Second 100/200 watt amplifier and interconnect kit for dual amplifier operation for use with 295HFS2, 295HFS3 or 295HFS4 systems.  
 Amplifier size: 2-3/8" (60mm) H x 6" (152mm) W x 7" (178mm) D. Weight: 3 lbs., (6.6kg)



## 295HFC9

200 watt, dual or mono sound control, 8 programmable operating profiles, removable microphone, park kill siren shutdown, radio repeat, mechanical siren and airhorn tones, Title 13 compliant, short circuit protection.  
 Size: 2-1/4" (57mm) H x 6" (152mm) W x 7" (177mm) D. Weight: 4 lbs., 7 oz.



## 295HFSA7 / 295HFSA8

Economical six function dual remote siren with radio repeat and PA operates two 100 watt speakers. Flush or surface mount control head. Operates in dual or mono modes. External dip switch selectable modes of operation.  
 Size surface mount control head: 2-1/2" (64mm) H x 6-7/8" (175mm) W x 2-3/4" (70mm) D.  
 Flush mount control head: 2-7/8" (73mm) H x 6-1/4" (159mm) W x 3" (76mm) D.  
 Amplifier size: 2-1/4" (57mm) H x 9-1/8" (232mm) W x 8" (203mm) D.



## POWER AIRHORN MODELS

Perfect for volunteer fire personnel, security, escort and undercover vehicles. Delivers 100 watts of power to a 100-watt siren speaker (purchased separately). Housing mounts in trunk, under the seat or other remote location.

**PAH112** Power Airhorn 100 watt amplifier, 12.8 VDC. Size: 2-1/2" (64mm) H x 5-7/8" (149mm) W x 6-3/4" (171mm) D. Weight: 2.5 lbs. ( 1.14kg)

**PAP112** Power Airhorn Plus 100 watt amplifier with microphone, 12.8 VDC. Size: 2-1/2" (64mm) H x 5-7/8" (149mm) W x 6-3/4" (171mm) D. Weight: 3 lbs. (1.36 kg)

**PAPEXT15** Optional 15' extension cable for PAP112 microphone.

## ALPHA SERIES

Economical, four tone, 100 watt siren. For applications not requiring public address or radio repeat. Self-contained and remote amplifier models. Meets Class A requirements with most 100 Watt speakers. Hands-Free operation. Dip switches on rear of amplifier allow easy set-up and configuration to most local requirements without special ordering. Optional switch panels or customer supplied switching may be used with ALPHA12R.

**ALPHA22M/ALPHA22L** ALPHA22M is a 100/200 watt siren, choose from remote electronic mechanical tone siren and airhorn. For use with remote switches, purchased separately. ALPHA22L is low frequency.

Size: 2-1/2" (64mm) H x 5-7/8" (149mm) W x 6-3/4" (171mm) D. Weight: 3 lbs., (1.36kg).

**ALPHA12M** 100 watt siren, choose from remote electronic mechanical tone siren and airhorn or wail, Power Call®, warble & whoop & airhorn via dip switch, for use with remote switches, purchased separately.

Size: 2-3/8" (60mm) H x 7-1/8" (181mm) W x 4" (102mm) D. Weight: 2 lbs., 7oz. (1.1kg)

**ALPHA12S** Self-contained 12 VDC siren.

Size: 2-1/2" (64mm) H x 6" (152mm) W x 4-5/8" (117mm) D. Weight: 2 lbs., 4 oz. (1kg).

**ALPHA12R** Remote 12 VDC siren amplifier. Requires separate switches, sold separately.

Size: 2-3/8" (60mm) H x 7-1/8" (181mm) W x 4" (102mm) D. Weight: 2 lbs., 7oz. (1.1kg)



## SIREN AMPLIFIERS

Economical Power Airhorn Alpha & Beta Series and water resistant WPA Series.

### BETA SERIES

Economical, four tone, 100 watt remote siren amplifier with Radio Repeat and Public Address. Hands-Free operation. Meets Class A requirements with most 100 watt speakers. PA over-ride in all functions. Use with compact BETA1 and BETA2 Control Heads or customer supplied switching. Dip switches on rear of amplifier allow easy set-up and configuration to most local requirements without special ordering. Optional flush mounting bracket for BETA2 Series Control Heads.

**BETA112R** Remote 12 VDC siren amplifier with PA and Radio Repeat. Size: 2-3/8" (60mm) H x 7-1/8" (181mm) W x 5-1/2" (140mm) D. Weight: 2 lbs., 7oz. (1.1kg)

**BETA1** Control Head with noise canceling microphone. 15' cable. Size: 2" (51mm) H x 4-1/2" (114mm) W x 2-1/2" (64mm) D. Weight: 1 lb., (.45kg)

**BETA2** Fully encapsulated surface mount control head is moisture resistant. Sealed toggle and rotary switches. Removable noise canceling microphone. 20' cable and connectors. Size: 1-3/4" (44mm) H x 4-1/4" (108mm) W x 2" (51mm) D. Weight: 1 lb., 4 oz. (.6kg)



### WPA SERIES

Water-resistant Siren Amplifiers and Control Heads for motorcycle and marine use. Four Tone Siren plus Public Address and Radio Repeat. 58 watt and 100 watt models. Hands-Free operation. WPA Series amplifiers work with WPA Series Control Heads or customer supplied controls. Fully encapsulated, Control Heads feature sealed toggle, rotary and push button switches plus removable Noise Canceling Microphone.

**WPA112** 100 watt, 12 vdc, remote amplifier. Weathertight, extruded aluminum housing for rugged environment. Size: 2-7/8" (73mm) H x 3-1/2" (89mm) W x 7-7/8" (200mm) D.

**WPA1** Control head with three position toggle switch enables control for siren only functions or combined light and siren operation. Includes handlebar mounting bracket, 7-1/2' cable and connectors. Size: 1-3/4" (44mm) H x 4-1/4" (108mm) W x 2" (51mm) D.

**WPA2** Control Head with flush mounting bracket, 20' cable and connectors.

Size: Cutout: 1-3/4" (44mm) H x 4-1/4" (108mm) W. Bracket: 2-1/2" (64mm) H x 5-1/4" (133mm) W.

**WPA3** Flush or bail mount with waterproof switches and microphone jack. Includes removable microphone and 20' connection cable. Requires WPA112 siren amplifier, sold separately.

Size: 1-3/4" (44mm) H x 4-1/4" (108mm) W.

**WS321** 100 watt, siren for Harley Davidson wiring harness. Optional microphone available. Size: 2-7/8" (73mm) H x 3-1/2" (89mm) W x 7-7/8" (200mm) D.



# CEN-COM GOLD™ SYSTEM

Integrated siren and light control system.

## CENCOM GOLD™

CenCom Gold provides the road-tested performance of the original CenCom and adds the features you've been looking for. Programming is easier than ever using Windows® XP application program (included), with more flexibility to configure lights, traffic arrows and siren function controls to your specific needs. Configured programs may be extracted, stored and modified for ease of service and reuse. The single Amplifier/Relay Module (ARM) provides ease of access to fuses and connectors without removing the cover. Heavy-duty, two-position Molex® power connector is designed to handle rough treatment without damage or accidental disengagement. The system handles one or two 100-watt speakers. CenCom Gold features an easily programmable system with a control head that includes a four-position slide switch (one 40-amp and two 20-amp outputs) and eighteen backlit push buttons with bright LED on/off indicators. State-of-the-art membrane switches provide tactile feedback of activation and are equipped with a solid rubber overlay for moisture resistance. The unidirectional microphone and 20' power input/output cable with plug-in connector is standard. A 20-foot microphone extension cable is available as an option.

**CCSRN2:** Control head and amplifier/relay module with upgraded switching and programming for more customization and operates Whelen 1 or 2-wire Traffic Advisors that do not require external controls.

**CCSRNTA2:** Control head and amplifier/relay module with upgraded switching and programming for more customization and for interface with Traffic Advisors which do require external controls.

Size: Control Head: 3-1/2" (89mm) H x 1-5/16" (33mm) D x 6-7/8" (174mm) L.  
 Amplifier: 3" (76mm) H x 6-3/4" (171mm) D x 8-1/4" (210mm) L.



Bail bracket mount



Semi-flush mount

## SWITCHES AND CONTROL CENTERS

A variety of switches and control centers are available to match your application.

- Low profile, extruded aluminum housing, black finish.
- Units with slide switches have LED "on" indicator above slide switch positions and push buttons.
- Backlighted legend windows above push-on/push-off and momentary switches.
- Legend tabs included.
- Adjustable bail brackets.



### PCCS9R

High current switch center. Four position slide switch and five push-on/push-off switches and one momentary switch. Built-in 30 amp relays. Connects to most rotating or strobe lightbars without the use of separately mounted relays and relay boxes. PCCS9R1 available with six push-on/push-off buttons (the sixth button is low current only).  
 Size: 2" (51mm) H x 6-1/8" (156mm) W x 7-1/4" (184mm) D.  
 Weight: 1 lb., 12 oz. (794gr).



### PCCS9NP

Low current programmable switch control for 9M, Ultra, LFL & Matrix Board style lightbars. Size: 2" (51mm) H x 6-1/8" (156mm) W x 3-5/8" (92mm) D.  
 Weight: 1 lb., 12 oz. (794gr). Replaces PCCS9N and PCCS9N1.



### PCC6R / PCC10

Lighted SPST switches with backlighted legends, 72 legend tabs included. PCC6R has one 40 amp and five 20 amp switches. PCC10 has ten 20 amp switches. All switches fully wired and rated at 20 amp peak.  
 Size: 2-1/2" (64mm) H x 6" (152mm) W x 4-3/4" (121mm) D. Weight: 1 lb., 9 oz. (709gr)

### PCCHD1 / PCCHD2

Six heavy-duty 25 amp SPST circuit breaker switches. LED on/off indicators. Backlighted legends, 72 legend tabs included. Available also, PCCHD2 that replaces the first switch with 40 amp circuit for use as master switch or high current application.  
 Size: 2-3/8" (60mm) H x 6" (152mm) W x 5-3/8" (137mm) D.  
 Weight: 1 lb., 7 oz. (710gr)



### SWITCH PANELS

Switch panels with 1-4 switches of your choice. Available in SPST, SPDT and DPDT. Switches have 15 amp contacts.





## SIREN SPEAKERS

High efficiency 100 watt RMS siren speakers.



### SA122FMP PROJECTOR™

High-performance cast aluminum, multi-port 100 watt RMS speaker. Available with mounting flange for flush mounting on emergency vehicles. Polished finish. Size with flange: 7-7/16" (189mm) H x 7-7/16" (189mm) W x 5-3/16" (132mm) D. Weight: 12 lbs., (5.5kg)



### SA31101(P/D) / SA3111(P/D)H

For under bumper and chassis mounting on International 4300/4400. Driver and passenger side models available.

### SA314A, SA314B, SA315P PROJECTOR™ SERIES



Narrow, high performance, multi-port 100 watt speaker provides ease of mounting. Installs to vehicle's cross member in minutes. Available in non-corrosive natural cast aluminum, black cast aluminum or nylon composite housing. OSHA 1910.95 compliant. Exceeds CA Title XIII, Class A and SAE J1849 requirements.

Optional polished trim rings and a wide variety of mounting brackets available. SA314 Size: 6-3/16" (156mm) H x 6-7/16" (163mm) W x 3-1/8" (79mm) D. SA315 Size: 6-1/2" (165mm) H x 6-1/2" (165mm) W x 2-7/8" (74mm) D.



### Project A-Flex™ PROJECTOR™ SERIES

Model PROJECT is for underhood applications. Flexible 60" acoustical tube allows the speaker driver to be mounted virtually any distance from the horn. Complete with 100 watt RMS driver and mounting kit or available as kit for customer supplied 100 watt driver.



### SP123C

Designed for use with the Centurion™ Series Lightbars. 100 watt speaker is center mounted.



### SA40/SA41 LO-PRO™

Easy retrofit to any existing Edge classic, 94/96 & 9M Lightbar. Field replaceable driver and diaphragm assembly. Heavy-duty polycarbonate housing, flat black finish. 100 watt. Weight: 11 lbs., (5kg)



### SA31E04 (P/D)

UnderPro™ single speaker for Ford E350/450 diesel, 2004-2007. Driver and passenger side models available.



### SA31C06 (P/D)

UnderPro™ single speaker for 2006-2007 Chevy Express Van. Driver and passenger side models available.



### SA32C06

UnderPro™ dual speaker for 2006-07 Chevrolet Express Van. Size: 5-1/2" (139mm) H x 32" (812mm) W x 9-1/2" (241mm) D. Weight: 18 lbs. (8.18 kg)



### SA32F05

UnderPro Dual speaker for 2005-07 Ford F250/350/450/550 Super Duty. Size: 5-1/4" (133mm) H x 24-7/8" (632mm) W x 9-1/2" (241mm) D. Weight: 14.6 lbs. (6.64kg)



### SA340STS

Compact, round aluminum speaker horn. Size: 5-5/8" (143mm) H x 5-5/8" (143mm) W x 6-13/16" (173mm) D. Weight: 11 lbs., (5kg)



### SA340TS

Plastic rectangular speaker horn. Size: 5" (127mm) H x 8" (203mm) W x 7" (178mm) D. Weight: 11 lbs., (5kg)



### SA350M

100 watt siren for motorcycle mounting. Heavy gauge, polished aluminum horn. Chrome plated, heavy-duty steel bracket with "U" clamps for crash bar mounting. Size: 6-7/8" (175mm) H x 7-5/16" (186mm) W x 6-7/8" (175mm) D. Weight: 11 lbs., (5kg)

# VALUE PRODUCTS

Economically priced products and systems.

## LP SERIES - LED VALUE PRODUCTS



Available in LED, TIR6™ Super-LED® and Linear-LED® with two SmartLED® lightheads with built-in flash patterns which requires no external flasher. Supplied with pigtails for customer supplied wires.

### LPG20AA



Two 4" round amber lightheads, 14 flash patterns, synchronize wire and grommets.

### LPG29AA



Two 4" round amber lightheads, 14 flash patterns, synchronize wire and black flanges.

### LPG49AA



Two 50A00FAR amber lightheads with 14 flash patterns and 5GROMMET.

### LPG49AA



Two 50A00FAR amber lightheads with 14 flash patterns and 5FLANGEB.

### LPG49AA



Two 500 Series amber TIR6 Super-LED with grommet. 10 flash patterns, steady-burn synchronize feature.

### LPG49AA



Two 500 Series amber TIR6 Super-LED with surface mount adapters and black flange. 10 flash patterns, steady-burn synchronize feature.

### 3TERM



Three-terminal flasher for alternating or simultaneous flash pattern (Not for use with LP(G/F)59AAD).

## VP31 STROBE TRUCK SYSTEM

- Three light system includes CS450 power supply, 20' cable and connector, one SPST on/off toggle switch and bracket.
- 360° strobe lighthead alternates with simultaneously flashing rear facing directional lightheads.
- 360° lightheads furnished with 15' 3-C shielded cable and connector; 2-oval grommet mount lightheads each furnished with 30' 3-C shielded cable and Deutsch® waterproof connector.
- CS450, 4 outlet, 50 watt output power supply features Scan-Lock™ with 10 selectable flash patterns.

### VP31

Three light system with one 360° lighthead and two oval grommet mount lightheads with 30' cable.



### VP32

Three light system with one 360° lighthead and two oval flange mount lightheads with 30' cable.



### VPBOXSD

Steel welded box for VP32.



**VPCB** Extruded aluminum, heavy-duty crossbar assembly available.



## VP SERIES STROBE DECK AND GRILLE SYSTEMS

VP two light systems include power supply, 2 lightheads each with 15' of 3-C shielded cable, connectors, 20' power cable and SPST on/off toggle switch with bracket.

- VP20 systems use a CS450, 4 outlet, 50 watt output power supply and offers system expansion capability.
- VP220 Series, CS225, 2 outlet, 25 watt output power supply.
- VP230 Series, CS240 2 outlet, 40 watt output power supply.
- Power supplies feature Scan-Lock™ with ten selectable flash patterns.

### VP20 / VP220

Two PAR32 strobes with flat lens, black rubber housing and swivel brackets.



### VP21

Two PAR36 strobes with flat lens, black rubber housing and swivel brackets.



### VP22

Two PAR36 strobes with extended lens, black rubber housing and swivel brackets.



### VP23

Two PAR36 strobes with flat lens, chrome plated housing and pedestal mount with tilt adjustment brackets.



### VP24

Two PAR36 strobes with extended lens, chrome plated housing and pedestal mount with tilt adjustment brackets.



### VP26

Two VP400 Series, 360° lightheads, high domes.



### VP27

Two VP400 Series, 360° lightheads, low domes.



### VP28

Two oval, strobe lightheads, grommets.



### VP29

Two oval, strobe lightheads, flange mount.



### VP230

Two compact 360° strobe beacons mounted on cast aluminum brackets and includes two 20', 3-C shielded cable, U-bolts and hardware.



# LIGHTING SYSTEMS

Easily installs in the composite headlight and taillight assemblies.



## HIDE-A-WAY SYSTEMS

Each system includes 2 or 4 Hide-A-Way strobe lighthoods with 15' cables, AMP Mate-N-Lok® connectors and remote strobe power supply (CS220 two outlet, 20 watt, CS450 four outlet, 50 watt, CSP660 six outlet, 60 watt or CSP690 six outlet, 90 watt) with 10 Scan-Lock™ flash patterns. Available with either clear (soft plug-in style) or amber, clear, red & blue (flange style) strobe lighthoods.

## HIDE-A-WAY Super-LED® LIGHTING SYSTEMS

HALO Series Super-LED Hide-A-Way systems are a direct plug-in to replace OEM bulbs for the front and rear of 2006-07 Ford Crown Victoria. Systems include lamp assemblies, flasher module with multiple Scan-Lock™ flash patterns, cabling and Deutsch® water-resistant connectors. Easy to install, requires no additional holes. Front system includes 2 park/turn lamp assemblies available in red, blue, white or amber warning with built-in amber park/turn. Rear systems available in 2 or 4 light system with red warning and red brake/tail/turns.



## WING PLOW™ TIP LIGHTING SYSTEM

TIR3™ Super-LED® light modules warning system. Provides high visibility in both the snowplow wing down and travel positions. Pairs can be synchronized for alternating or simultaneous flashing. Each high impact lighthouse is fully encapsulated in a cast aluminum housing and includes 20' of heavy-duty TPR cabling with built-in strain relief connectors.

# MOTORCYCLE SYSTEMS

Heavy-duty lighting and siren products for motorcycle applications.



## MOTORCYCLE WARNING SYSTEMS

Harley Davidson motorcycle systems provide maximum protection to the front, rear and sides of your bike. Warning package includes touring box, 12 VDC receptacle, terminal block with fuses, one Strip-Lite™ Series LED third brake light, four or six 400 Series Super-LEDs mounted on the touring box, two 500 Series TIR6™ Super-LEDs® for mounting on the front fenders and two 200 Series front facing round TIR6 Super-LED lighthoods. Options include, battery charger with 120 VAC receptacle, siren, speaker, and 400 Series split color LED.



**Look for the icon throughout this catalog.**

It identifies products that have either been designed specifically for motorcycle applications, or are suited for motorcycle use.

# PACKER & HD PRO™ LIGHTING SYSTEMS



Surface mounted heavy-duty stainless steel housings. TIR3 and TIR6 Super-LEDs are low amperage draw and encapsulated for vibration and moisture resistance. All internal connections have Deutsch® waterproof connectors. Five year HDP (Heavy-Duty Professional) warranty.

## PACKER™ SYSTEMS 1 & 2

Super-LED warning systems designed specifically for roll-off/recycle, and front and rear loading refuse vehicles. Cabling is tin coated copper stranded for water, oil and corrosion resistance.

## HD PRO™ LIGHTBAR SERIES

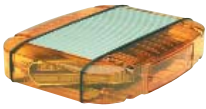
Surface mount lightbars designed specifically for general heavy duty vehicle use. Custom build your lightbar, choose from flashing halogen, LED, Super-LED or combination (lighthoods purchased separately). Housing may be welded on vehicle for extra strength.

**DOT3® LEGAL SUPER-LED®  
CERTIFIED LIGHTING SYSTEMS**



**CHOICE OF FRONT LIGHTHEADS**

**Micro LFL Liberty™**



Two Lamp: 2-1/2" (64mm) H x 12" (304mm) D x 9-1/2" (241mm) L  
Four Lamp: 2-1/2" (64mm) H x 12" (304mm) D x 15" (381mm) L

**Micro Ultra Freedom™**



Two Lamp: 4" (102mm) H x 10" (254mm) D x 8" (203mm) L  
Four Lamp: 4" (102mm) H x 12" (304mm) D x 17-3/4" (450mm) L

**Micro 400**



Three or Four Lamp:  
3-3/4" (95mm) H  
x 10-1/4" (260mm) W x  
10-1/2" (266mm) D

**L360 Class 1 Super-LED Beacon**



4-1/2" (102mm) H  
x 7-1/4" (184mm) Dia.



**180° Headboard-LED™**



5-1/4" (133mm) H x 6-1/2" (140mm) D x 15-3/8" (390mm) L



- Super-LED lights certified to SAE specifications; standard LED brake/tail/turn and LED back-up light modules certified to FMVSS 108 specifications.
- Systems include 400, 500 or 700 series rear-mounted Linear Super-LED models; switch control panel is optional.
- Front mounted, Super-LED lightheads are provided with 20' of heavy-duty oil resistant TPR jacketed cable.
- Rear mounted lighthead assemblies include your choice of heavy-duty 7 gauge steel, aluminum or stainless steel housings; strain relief, 30 foot heavy-duty, oil resistant, TPR jacketed cable.
- 400 and 700 Series rear housing available with TIR3™ Super-LED lighthead mounting on side for 90° light coverage.
- All Linear style Super-LED models are grouped (front facing and rear facing) to flash in a simultaneous flash pattern for greater vehicle identification.
- Rear mounted Linear style Super-LED modules provide effective warning light protection with dump body in lowered as well as raised positions.
- Systems available in 12 VDC.
- All lightheads and cables are provided with Deutsch® waterproof connectors.
- Halogen back-up lighthead option. Contact factory for ordering details.

**CHOICE OF REAR LIGHTHEADS**

**400 Series Angled**



**400 Series Square**



**500 Series Angled**



**700 Series Square**



**700 Series Angled**



**CHOICE OF LIGHTHEAD LAMP STYLES**

- None or Beacon
- Two Lamp Lighthead
- Three Lamp Lighthead
- Four Lamp Lighthead

**CHOICE OF BRACKETS**



**Optional Wing Plow lighting. See page 11 for details.**





# DOT3® LEGAL STROBE LIGHTING SYSTEMS

- Strobe lights certified to SAE Class 1 specifications; standard LED brake/tail/turn and halogen or LED back-up light modules certified to FMVSSA specifications.
- Systems include power supply with diagnostic indicator panel for system operation verification; switch control panel.
- Rear mounted 100/200 Series lighthouse assemblies include your choice of heavy gauge steel, aluminum or stainless steel housings; strain relief, 30 foot heavy-duty, oil resistant, TPR jacketed cable lengths. All lighthouses and cables are provided with Deutsch® waterproof connectors.
- Front mounted DOT6H beacons are provided with 15' of shielded grey jacketed cable while Micro Edge models are provided with 20' of shielded grey jacketed cable.
- All strobe lighthouses are grouped (front facing and rear facing) to flash in a simultaneous flash pattern for greater vehicle identification.
- Rear mounted strobe lighthouses provide effective warning light protection with dump body in lowered as well as raised positions.
- Optional 24VDC strobe systems available.

## FRONT MOUNTED LIGHTHEADS

### DOT6H

360° strobe cab mounted lighthouse with smooth outer dome. Cast aluminum base allows flat/ permanent or 1" NPT pipe mounting. Optional branch guard available.



### Micro Edges

Two Micro Edges with two linear strobes per lighthouse, facing forward and rear for 270° of warning. Mounted in an extruded aluminum frame. Micro Edges are available with optional West Coast or Navistar® Mirror Mount Bracket.

## POWER SUPPLIES

### ISP94

90 watt output, diagnostic, four outlet power supply.



### ISP188

180 watt output, diagnostic, eight outlet power supply.



Optional West Coast mirror mount bracket



Optional NaviStar® mirror mount bracket

## REAR MOUNTED LIGHTHEADS

500 and 700 Series strobe lighthouses available for 100 or 200 Series rear housings.

### 100 Series



A Warning



B Warning and Brake/tail/turn



D Warning, Brake/tail/turn and Back-up

700 Series square profile housings. Lenses measure approx. 7" x 3"

### 200 Series



A Warning



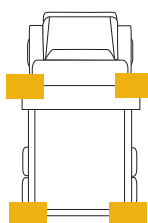
B Warning and Brake/tail/turn



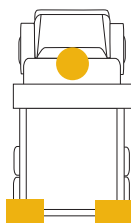
D Warning, Brake/tail/turn and Back-up

500 Series narrow profile housings. Lenses measure approx. 5" x 2"

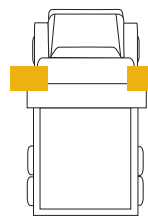
100/200 Series Lighthouse housings are furnished in steel for finishing by end user. Aluminum and stainless steel housings also available, contact factory.



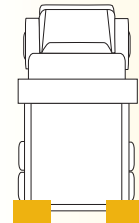
DOT3101  
DOT3201  
Four Lighthouse System



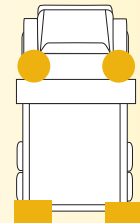
DOT3102  
DOT3202  
Three Lighthouse System



DOT3103  
Two Lighthouse System



DOT3104  
DOT3204  
Two Lighthouse System



DOT3106  
DOT3206  
Four Lighthouse System

Optional Wing Plow lighting. See page 31 for details.

- **KKKESY1 and AMBSNFEP Ambulance Lighting Systems** are AMECA Certified to Federal Ambulance Standard KKK1822E.
- **KKKELED2 LED lighting system** is AMECA Certified to KKK1822E.
- **Under bumper, (KKK1822E and Class A Certified) SA32 Series Speaker** produces more than 125dB when used with 295HFS Series Siren Amplifiers.
- **Ambulance Flashers** available in three different models to suit a wide range of budgets.



## AMBULANCE SYSTEMS

Light systems, speakers, lightbars, and flashers.



LED Diagnostic Panels

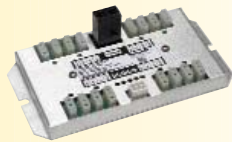
### KKKESY1 Strobe Ambulance Lighting System

Includes two AMB2EELP 8 outlet Diagnostix™ Series power supplies, Diagnostic LED Display. Includes 14 lighthoods with all cabling and connectors necessary for complete installation. AMECA certified to KKK-1822E. (CometFlash® mode only) CometFlash std., optional 4 selectable flash patterns.



### 12H4S140

12 halogen/4 strobe outlet power supply meets KKK-1822E with appropriate Whelen lighthouse assemblies (Lighthoods purchased separately).



### KKKELED1 / KKKELED2 LED and LED/Halogen Ambulance Lighting System

14 lighthouse systems. Includes 14 lighthoods and AFM1660 16 outlet, 65 watt flasher. Two wire connection to each lighthouse. **KKKELED2** system is AMECA certified to KKK-1822E.  
**KKKELED1:** 14 LED lighthoods and one AFM1660 flasher.  
**KKKELED2:** 12 LED lighthoods, 2 flashing halogen lighthoods, and one AFM1660 flasher.

## CHASSIS MOUNT LIGHTBAR SYSTEMS

Available in a variety of sizes and configurations, chassis mount lightbars are designed for surface mounting. All chassis mount lightbars feature slide mounting bolts. Custom lengths available.

### Edge+Plus™ Series

Two, four or six strobes or LED with a variety of options including 3M® Opticom® Emitter and Smart Arrow Messenger®. Size: 3-3/4" (95mm) H x 4-1/8" (105mm) Protrusion.



### 4500 Build-a-Bar Series

Flush mounted extrusion with or without ICC lights, in lengths starting at 22", can be equipped with your choice of linear or Super-LED modules, strobe or halogen lighthoods configurations to meet KKK primary lighting specifications or simple secondary lighting requirements. To build your lightbar from this wide range of configurations, see the Lightbar Wizard program on our website. Size: 4-13/16" (118mm) H x 5-1/4" (133mm) W x various lengths.



## AMBULANCE FLASHERS



### AFL530

LED flasher. Five post ring terminal block, encapsulated flasher for LED only. 325/162.5/65/65 watt output with Scan-Lock™ multi-flash patterns. KKK-E certified with five year warranty.



### AFM560

Halogen/LED flasher. One wire design, five outlet chassis ground flasher using a 5 post terminal block connection. 650/325/65/65 watt output. Scan-Lock flash patterns. KKK-E certified, 5 year warranty. Interior use only.



### AFM1660

Halogen/LED flasher. Two wire design, 16 outlet flasher. 65 watt output, per outlet. Scan-Lock multi-flash patterns. KKK-E certified with 5 year warranty. Interior use only.



**A wide range of lighting packages designed to meet New NFPA 1901 Performance Standards for Aerial, Pumper and Rescue Apparatus.**

*These packages identify equipment, that when used as a system, will meet NFPA 1901 photometric and electrical load requirements.*

## NFPA 1901 SPECIFICATION LIGHTING PACKAGES

Products shown on this page are used in our NFPA 1901 Specification Lighting Packages.

### BEACONS



RB6P SERIES  
Rotating  
Halogen



B6T &  
B6MMRRP  
Series  
Combination  
Tailboard



L31HRFN  
Super-LED®

### POWER SUPPLIES AND FLASHERS



ISP94  
90 watt,  
4 outlet  
12 vdc



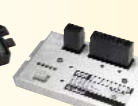
ISP74  
70 watt,  
4 outlet  
12 vdc



ISP188  
180 watt, 8 outlet, 12 vdc  
ISP148  
140 watt, 8 outlet, 12 vdc



AFL530  
5 Terminal  
LED Flasher

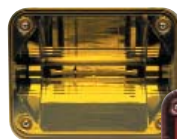


AFM560  
5 Outlet Halogen  
Flasher



AFM1660  
16 Outlet  
Halogen  
Flasher

### LIGHTHEADS



900 Series  
Linear Strobe



900 Series  
Linear-LED



900 Series  
Halogen



810 Series Surface  
Mount Linear Strobe



810 Series Surface  
Mount Halogen



700 Series  
Linear Strobe



700 Series  
Linear Super-LED



500 Series TIR6™  
Super-LED®



500 Series Linear  
Super-LED



600 Series  
Linear Strobe



600 Series  
Halogen



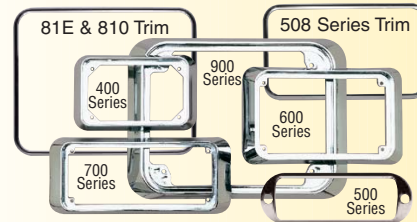
600 Series  
Linear-LED



508 Series Surface  
Mount Linear Strobe



508 Series Surface  
Mount Dual Halogen



Optional Flanges: chrome plated or black



600 Series Rotating  
Halogen for mounting  
in ATI or KD  
headlight cluster



600 Series Linear  
Strobe for mounting  
in ATI headlight  
cluster



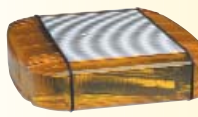
400 Series  
Linear Strobe



400 Series  
Halogen



400 Series Linear  
Super-LED



Micro Edge®  
LFL Liberty



Micro Edge®  
Ultra Freedom

### LIGHTBARS



Delta™ Independence™ Series



EDGE® 9M Strobe Series



EDGE® Ultra Freedom™ LED



EDGE® LFL Liberty™ LED Series



Mini Delta™



EDGE® Mini  
9M Series



EDGE Mini  
Freedom™

Contact us for our "NFPA 1901 Specification Lighting Packages" booklet. This booklet details complete packages and zone packages meeting NFPA 1901 requirements. Each lighting package includes a "Certificate of Compliance with NFPA 1901."

