

*Step up to the new generation of Edge® technology*



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

# **EDGE® ULTRA™**

**SERIES LIGHTBARS**



**EDGE®**

**WHELEN®**

# EDGE® ULTRA™ LIGHTBARS

Edge Ultra is classic Edge styling with a slightly wider stance. But take a closer look and you'll discover it's a completely new lightbar with a host of new features! Ultra starts with new modular architecture and an internal wiring harness that lets you select the exact strobe, LED and halogen warning configuration you require. New lenses and lamp modules are of equal size so that they can be placed anywhere on the lightbar. Redesigned power supplies deliver 25% more power to each strobe tube. Now, as never before, you can easily build the exact lightbar you've been looking for.



## Edge Ultra Series Lightbars

- Classic Edge profile with a slightly wider stance and proven performance features.
- Modular, Snap-in/Lock-in lamp modules and slide-in lenses are interchangeable and can be placed anywhere on the lightbar.
- Internal cabling allows complete customization of lightbar, now and in the future.
- Optional secondary warning lamp modules in all strobe, all halogen, all LED, duplex combinations of the previous; and Brake/Tail/Turn.
- End caps with clear lenses are available with colored inner filters for individual color selection, front and rear. Filters are also used for color combinations on duplex light modules.
- Simply remove eight end-cap screws for easy access to all internal components.
- Upgraded Strobe Power Supplies provide 25% more power (22.5 watts) to each strobe tube and are located on the ends of the lightbar for ease of access.
- Optional built-in LED Traffic Advisor™ (strobe or LED) and Smart Arrow Messenger available.
- Standard models are 44" (44.38"), 50" (49.75") and 55" (55.13") lengths.
- Factory pre-wired with 25' cabling.
- All Ultra Lightbars are certified by AMECA to meet SAE Class I and California Title XIII requirements.
- Optional Strap Mounting Kits available for a wide variety of vehicles.



## Edge Ultra "LC" Series Lightbars

**Top of the line performance, packed with features and plenty of options to choose from!**

- Ultra LC is available in four, six, eight, ten or twelve strobe models.
- Easily upgradable. For example, buy a four-strobe version today; add up to eight more strobe modules at a later date.
- External cable is smaller in diameter for easier installation.
- Internal electronics allows for twenty-two gauge external wiring for all switching functions.
- Standard switch controls, low current switch controls or micro switches can operate all lightbar functions.
- Strobe Power Supplies provide nine externally selectable flash patterns using new ScanLock™ (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.
- The most complete list of options available anywhere. See back page for details.

INTRODUCING

## SCANLOCK™

(patent pending)

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

- CometFlash
- Triple Flash
- Double Flash
- Rapid Rate
- Action Flash
- Modu-Flash
- Micro Burst II
- Micro Burst III
- Long Burst (constant "on" look)



# EDGE<sup>®</sup> ULTRA<sup>™</sup> LIGHTBARS



**EDGE<sup>®</sup>**

To help you build your Ultra Lightbar, Whelen Worksheets are available in print or "Lightbar Wizard" build-a-bar program is available on disk or on our Website at:  
[www.whelen.com](http://www.whelen.com)



## Edge Ultra "HC" Series Lightbars

**HC FEATURES**

**Edge Ultra HC provides you with excellent performance and basic configuring features and options.**

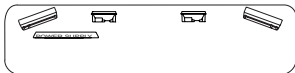
- External cabling is standard gauge with switching via common Power Control Center, siren/switch controls or with low current switches when used with relays.
- Ultra HC is available in four, six or eight strobe models.
- Strobe Power Supplies provide two selectable flash patterns, CometFlash and ActionFlash.
- For most commonly ordered options, see back page.

### Standard Lighthouse Configurations

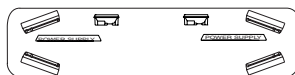
#### ULTRA-LC



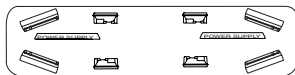
9U24 Series



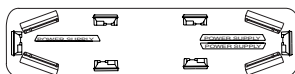
9U24-F Series



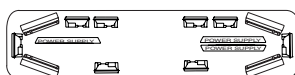
9U36 Series



9U38 Series



9U40 Series

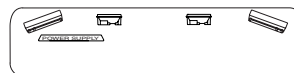


9U42 Series

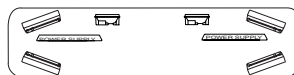
#### ULTRA-HC



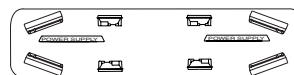
9U04 Series



9U04-F Series



9U16 Series



9U18 Series

#### ULTRA LEGEND



For options and other built-in warning devices see back page

### All Ultra Lightbars offer Modular Design.



All lighthouse modules are same size and can be placed anywhere in the lightbar.



End strobe modules slide in channels of the extruded aluminum housing.



Lighthouse modules snap in for a tight secure fit.



Mate-N-Lok<sup>®</sup> connectors snap together for easy lighthouse replacement or additions.

# EDGE® ULTRA™ LIGHTBAR OPTIONS

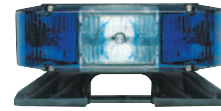
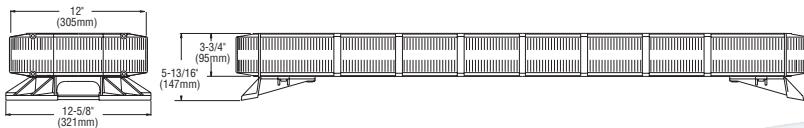
All the options you need to customize your lightbar. With Ultra's modular design, you can add options now, and more at a later date.

## EDGE ULTRA-HC, ULTRA-LC, LIGHTBAR OPTIONS

✓ = Available  
○ = Contact Factory

| OPTION DESCRIPTION  | OPTION MODEL NO.   |           | ULTRA-HC |        |      |      | ULTRA-LC |        |      |      |      |      |
|---|--------------------|-----------|----------|--------|------|------|----------|--------|------|------|------|------|
|   | ULTRA-HC           | ULTRA-LC  | 9U04     | 9U04-F | 9U16 | 9U18 | 9U24     | 9U24-F | 9U36 | 9U38 | 9U40 | 9U42 |
|   | Two halogen alleys | 9HALY     | 9LALY    | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Two twin duplex halogen alleys  | -                  | 9LDALY    |          |        |      |      |          | ○      | ○    | ✓    | ✓    | ✓    |
| Two halogen take-downs  | 9HTD2              | 9LTD2     | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Two twin duplex halogen take-downs  | -                  | 9LDTD2    |          |        |      |      |          |        | ✓    | ✓    | ✓    | ✓    |
| One halogen take-down   | 9HTD1              | 9LTD1     | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Flashing take down & flashing alley light enable module, (requires purchase of take down and/or alley lights) | -                  | 9LFTA     |          |        |      |      | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Piercer III™  | PRH1S**            | PRL1S**   | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| PierceAlert, twin oscillating lamps, (choice of clear or color housing and/or windows)                        | PRH2***            | PRL2***   | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| One halogen California steady I.D. light, red or blue   | 9HC*L              | 9LC*L     | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Two duplex LED flashing lights, front facing  | -                  | 9LDFFL**  |          |        |      |      | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Two duplex LED flashing lights, rear facing   | -                  | 9LDRFL**  |          |        |      |      | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Two LED flashing lights, front facing   | -                  | 9LFFL**   |          |        |      |      | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Two LED flashing lights, rear facing  | -                  | 9LRFL**   |          |        |      |      | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Two halogen flashing lights, front facing   | -                  | 9LFFI     |          |        |      |      | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Two duplex halogen flashing lights, front facing  | -                  | 9LDFFI    |          |        |      |      | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Two halogen flashing lights, rear facing  | -                  | 9LRFI     |          |        |      |      | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Two duplex halogen flashing lights, rear facing   | -                  | 9LDRFI    |          |        |      |      | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Four built-in cruise light  | 9HCURUISE          | 9LCURUISE | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Cobra® Safety Alert® Warning Radar Transmitter  | XT100              | XT100     | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Lightbar prewired with Cobra® XT100 Safety Alert®   | XT100WIR           | XT100WIR  | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Lightbar pre-wired for 3M model 9592 Opticom™, 49"  | 9UOPTI49           | 9UOPTI49  | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Lightbar pre-wired for 3M model 9592 Opticom™, 55"  | 9UOPTI55           | 9UOPTI55  | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| 3M Emitter  | 9592               | 9592      | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Special Personality Module  | -                  | 9LMATRIX  |          |        |      |      | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Printed sign for Edge lightbar  | 9HSIGNP            | 9LSIGNP   | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| LED backlighted sign for Edge lightbar, amber   | 9HSIGNL            | 9LSIGNL   | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Lightbar pre-wired to Whelen switch control   | 9HPREWIR           | 9LPREWIR  | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Built-in Traffic Advisor™, programmable flash patterns  | TA9H00A            | TA9L00A   | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Built-in duplex Traffic Advisor   | -                  | TAD9L00A  |          |        |      |      | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Built-in 6 LED lamp Traffic Advisor   | TA9HLED            | TA9LLED   | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ○    | ○    | ○    |
| Built-in duplex 6 LED lamp Traffic Advisor  | -                  | TAD9LLED  |          |        |      |      | ○        | ○      | ✓    | ✓    | ✓    | ✓    |
| Half color filter for strobe or halogen duplex models   | -                  | 9HFIL*    |          |        |      |      | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| End filters for multi color end caps  | 9UECFIL            | 9UECFIL   | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Custom length up to 83" (60, 66, 72, 77 or 82")   | 9HLTH1             | 9LLTH1    | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Custom length 83+" to 100" (88, 93, or 98")   | 9HLTH2             | 9LLTH2    | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |
| Built-in Smart Arrow Messenger™   | MGM02              | MGM02     | ✓        | ✓      | ✓    | ✓    | ✓        | ✓      | ✓    | ✓    | ✓    | ✓    |

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



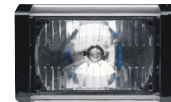
Alley Light



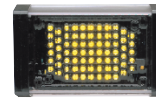
Duplex Strobe Over Duplex Alley Light



Halogen Flasher



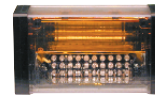
Take-Down Flasher



LED Flasher



Linear Strobe



Linear Strobe/LED Duplex Lighthouse



End Color Filter Option



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