



# Centurion™

LIGHTBAR SERIES

Form# CEN0400

**WHELEN®**  
Engineers for the Emergency Warning Industry

# Centurion™ SERIES HALOGEN ROTATING LIGHTBARS

Higher and wider in profile, Centurion lightbars feature larger reflectors that deliver twice the light intensity of any other rotating lightbar on the market.

- Two speed motors, 110 RPM outboard, 110 or 180 RPM inboard.
- Snap-in 50-watt lamp.
- Polycarbonate dome for optimum light transmission
- "Shock mount" rotator plate isolates motor and gear noise to make these the quietest most reliable rotating lightbars in the industry.
- Aluminum base never sags.
- Captive tongue and groove track for maximum weather-resistance
- End caps lock lenses into place.
- Parts change easily using only a screwdriver.
- Built-in speaker option provides 123dB certified at 10', twice the sound level of comparable speakers.
- Options factory installed or added later.
- 22", 48", 52", 60" and 72" standard.
- Two and four rotating light assemblies available for tow vehicles.
- New mounting foot kit provides wider foot print with added mounting pads for greater stability.
- Available in all five safety colors.
- Optional polished cast aluminum, permanent mounting feet.
- Options include strap kits and high-rise mounting brackets
- Exceeds SAE and California Title XIII requirements.
- Selected models are NFPA 1901 compliant.



Newly designed rotators are taller and wider, delivering more light output.



Shock mounts absorb the vibrations of the road.



Rear view showing optional: center mounted rotator, built in duplex eight light Traffic Advisor™ and duplex twin alley lights.



Front view showing optional: center mounted rotator, dual twin duplex take downs, dual twin duplex front flashers and duplex twin alley lights.



Rounded lightbar design enhances today's streamline vehicles.



C4000W00



C4002000 with CHSROTAC, CDTD2, CL17SFRB, CFF\*



C4008000 with CHSROTAC, TACD08A



C4008000 with CHSROTAC, TACD08A



C4008000 with CHSROTAC, CDTD2, CDFFRB



C2008000 with CU64SA, CL17SFAA, TACD06A



C2008000 with CHSROTAC, CU64SA, CDTD2, CDTD2C

## CENTURION MODELS

Full size Centurion lightbars. All include solid color domes with clear lower level lens and clear lens dividers.

**Rotating models with full wiring harness allows addition of options**

- C2008000:** Two rotators, two "V" mirrors, 48"
- C2002000:** Two rotators, two "V" mirrors, 52"
- C2000000:** Two rotators, two "V" mirrors, 60"
- C2007000:** Two rotators, two "V" mirrors, 72"
- C4008000:** Four rotators, three diamond mirrors, 48"
- C4002000:** Four rotators, three diamond mirrors, 52"
- C4000000:** Four rotators, two diamond mirrors, two "V" mirrors, 60"
- C4007000:** Four Rotators, two diamond mirrors, two "V" mirrors, 72"

**Rotating models with standard basic wire harness**

- C200800E:** Two rotators, two "V" mirrors, 48"
- C200200E:** Two rotators, two "V" mirrors, 52"
- C200000E:** Two rotators, two "V" mirrors, 60"
- C200700E:** Two rotators, two "V" mirrors, 72"
- C400800E:** Four rotators, three diamond mirrors, 48"
- C400200E:** Four rotators, three diamond mirrors, 52"
- C400000E:** Four rotators, two diamond mirrors, two "V" mirrors, 60"
- C400700E:** Four Rotators, two diamond mirrors, two "V" mirrors, 72"

**Strobe models with full wiring harness allows addition of options**

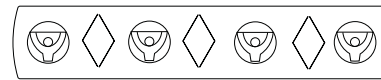
- C00280\*\*:** Two 22 Watt 360° Strobe Beacons, Two 30° Mirrors, 48"
- C00220\*\*:** Two 22 Watt 360° Strobe Beacons, Two 30° Mirrors, 52"
- C00200\*\*:** Two 22 Watt 360° Strobe Beacons, Two 30° Mirrors, 60"
- C00270\*\*:** Two 22 Watt 360° Strobe Beacons, Two 30° Mirrors, 72"

## Standard Configurations

C2008000 / C200800E / C2002000 / C200200E  
C2000000 / C200000E / C2007000 / C200700E  
Two rotating halogen lamps & two "V" mirrors



C4008000 / C400800E / C4002000 / C400200E  
Four rotating halogen lamps, three diamond mirrors.



C4000000 / C400000E / C4007000 / C400700E  
Four rotating halogen lamps, two diamond mirrors, two "V" mirrors.

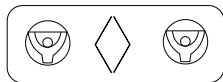


C000280\*\* / C000220\*\* / C000200\*\* / C000270\*\*  
2 strobe 360° beacons, two 30° mirrors.



\*Replace symbol in model number with letter indicating the 360° beacon color desired: **A**=Amber; **B**=Blue; **C**=Clear; **R**=Red; **G**=Green; **S**=Split.

## Centurion™ LIGHTBARS FOR SPECIAL APPLICATIONS



### Mini Centurion Lightbar

These 22" lightbars are useful when space is at a premium. Optional duplex take downs and duplex alley lights available

**C200A000:** Two rotating halogen light assemblies, one diamond mirror, 22", options available.

**C200A00E:** Two rotating halogen light assemblies, one diamond mirror, 22", no options available, includes basic 6" pigtail.

**C002A0\*\*:** Two 22 watt 360° strobe light assemblies, two 30° mirrors, 22", options available.

\*Replace symbol in model number with letter indicating the 360° beacon color desired: **A**=Amber; **B**=Blue; **C**=Clear; **R**=Red; **G**=Green; **S**=Split.

### Centurion Towman Lightbar (Not for rollbacks)

Standard with oversized worklights (64 Series), duplex LED brake/tail/turn signals, duplex front flashers. Slide bolt mounting configuration. Minimum 110 FPM per lamp, 440 FPM front, 440 FPM rear.

**C2000W00:** Two rotators, two "V" mirrors, 60"

**C4000W00:** Four rotators, two diamond mirrors, 60".



### NFPA 1901 Compliant Lightbars

**C300200N:** Three rotators, four "V" mirrors, 52".

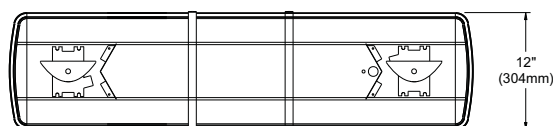
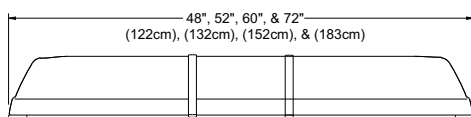
**C300700N:** Three rotators, four "V" mirrors, 72".

**C400000N:** Four rotators, two diamond mirrors, two "V" mirrors, 60".

**C400700N:** Four rotators, two diamond mirrors, two "V" mirrors, 72".

**C200A02N:** Two rotators, diamond mirror, 22" (sold in pairs only).

## CENTURION™ SPECIFICATIONS



## ELECTRICAL DATA

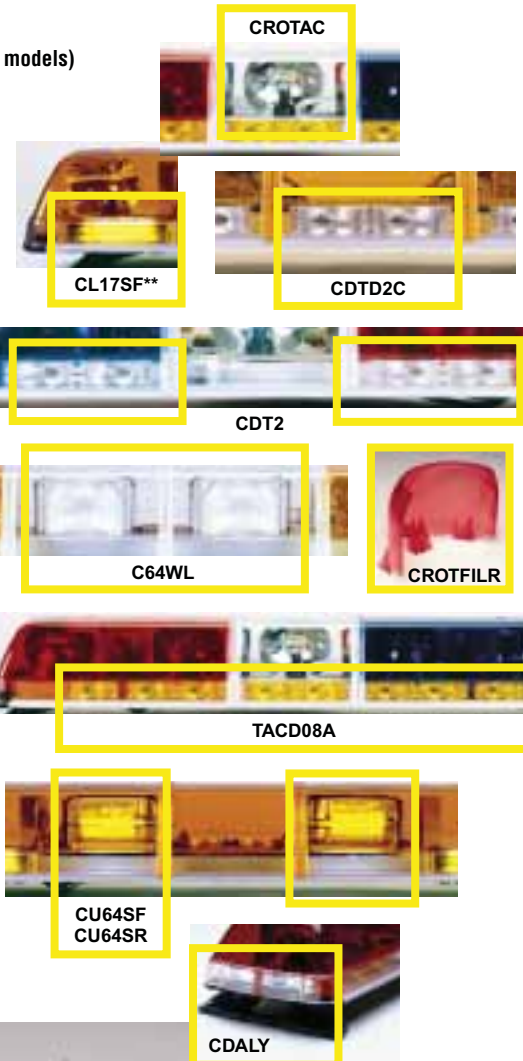
|                                    | HALOGEN ROTATOR | STROBE BEACON          |
|------------------------------------|-----------------|------------------------|
| Voltage                            | 13.6 vdc        | 13.6 vdc               |
| Current, per device                | 3.75 amps       | 2.5 amps               |
| Lamp type                          | 50 watt snap-in | FT20A plug-in          |
| Outboard device                    | 110 rpm         | 72 CFPM                |
| Inboard device                     | 110 or 180 rpm  | —                      |
| Candlepower, per device (in Clear) | 94,100 candela  | 2.5 million per strobe |

# Centurion™ FACTORY INSTALLED OPTIONS (Not all options available in all models)

Centurion lightbars are sized and configured to make adding kit options a breeze. Lenses slide into a captive channel in the extruded aluminum base for easy access while maintaining weather and vibration resistance.

- MKC#** ..... Optional Mounting Kit (See current list price sheet for exact model number).
- CHSROTAC** ..One High Speed Center Rotator, 180 FPM, with Two "V" Mirrors.
- CHSROTAI** ....Two High Speed Inboard Rotators, 180 FPM, with Four "V" Mirrors.
- CROTAC** ..... One Center Rotator, Two "V" Mirrors.
- C360I\*\*** .....Two 22 Watt 360° Inboard Strobe Beacons, 30° Mirrors
- C360I\*** ..... One 22 Watt 360° Inboard Strobe Beacon, 30° Mirror
- CDALY** ..... Two Twin Duplex Alley Lights.
- CDTD2** ..... Two Twin Duplex Take Down Lights, Clear Filter.
- CDTD2C** ..... One Twin Duplex Take Down Light, Center Mounted, Clear Filter.
- CDCRL** ..... One Twin Duplex California Steady Red Identification Light, Includes Red Filter, Driver Side.
- CDCBL** ..... One Twin Duplex California Steady Blue Identification Light, Includes Blue Filter, Passenger Side.
- CDF\*\*** ..... Two Twin Duplex Front Flashers, Electronic Flasher, Includes Filter Color Of Choice.
- CDRF\*\*** ..... Two Twin Duplex Rear Flashers, Electronic Flasher, Includes Filter Color Of Choice.
- CSEMF** ..... Substitute an Electro-Mechanical Flasher for Solid State Flasher (for one pair only).
- CL14SF** ..... Two Lower Level Outboard/Intersector 14 Series Strobes, Front Facing, Includes 20 watt Power Supply, Clear only.
- CL17SF\*\*** ..... Two Lower Level 17 Series Strobes, (Cont'd)

- Front Facing, Filter Color Of Choice, Includes 20 watt Power Supply.
- CL17SR\*\*** ....Two Lower Level 17 Series Strobes, Rear Facing, Filter Color Of Choice, Includes 20 watt Power Supply.
- CU64SF** .....Two Upper 64 Series Strobes, Front Facing, Incl. Center Mounted Power Supply, Opt. Color Filters available for use w/Clear Outer Domes.
- CU64SR** .....Two Upper 64 Series Strobes, Rear Facing, Incl. Center Mounted Power Supply, Opt. Color Filters available for use w/Clear Outer Domes.
- CU64SA** .....Four Upper 64 Series Strobes, 2 Front, 2 Rear, Incl. Center Mounted Power Supply, Opt. Color Filters available for use w/Clear Outer Domes.
- CCF64S\*** ..... Color Filter for 64 Series Strobe.
- C64WL** .....Two 64 Series Rear Halogen Work Lights (60" Bar Minimum, Center Mounted).
- CDBTTLED** ....Two Duplex LED Brake/Tail/Turn, Red Filters.
- CCRUISE** .....Two Built-in Cruise Lights.
- TACD08A** .....Built-In Duplex Traffic Advisor™, 8 Lights.
- TACD06A** .....Built-In Duplex Traffic Advisor, 6 Lights (for use with rear flashers).
- CCF\*IN** .....Color Filter for Rotator.
- SP123C8** .....100 Watt Speaker Center Mounted with Brushed Aluminum Speaker Grille (this model will delete Center Mount Mirrors).
- OPTICENT** ....Centurion Lightbar Pre-Wired for 3M Model 792H OPTICOM (includes Cable & Bracket)
- 792H** .....Self Contained 3M® Emmitter with Black/Gray Painted Lighthouse
- CROTFIL\*** .....180° Color Half-Cylinder Filter Kit for Rotator
- CICCLEd\*** .....Five Duplex LED ICC Lights, Red or Amber.



## KIT OPTIONS

Modify and update your Centurion as your needs grow or change. Kits include all required wiring and mounting hardware along with installation instructions.

- KHSROTAC** ..One High Speed Center Rotator Kit, with Two "V" Mirrors 180 FPM.
- KHSROTAI** ....Two High Speed Inboard Rotators Kit, with Four "V" Mirrors, 180 FPM.
- KROTAC** ..... One center rotator kit with two V mirrors. (See #6)
- KROTAC2** .....Two Inboard Rotators kit with Four "V" Mirrors.
- KDALY** ..... Two twin duplex alley lights kit. (See #1)
- KDTD2** ..... Two twin duplex take down lights, clear filter and lens kit.
- KDTD2C** ..... One twin duplex take down light, center mounted, clear filter and lens kit.
- KDCRL** ..... One Twin Duplex California Steady Red Identification Light kit, Includes Red Filter.
- KDCBL** ..... One Twin Duplex California Steady Blue Identification Light kit, Includes Blue Filter.
- KDFF\*\*** ..... Two twin duplex front flashers, electronic flasher kit, includes filter color of choice. (See #5)
- KDRF\*\*** ..... Twin duplex rear flashers, electronic flasher kit, includes filter color of choice. (See #5)
- KSEMF** ..... Substitute electro-mechanical flasher for solid state driven relay flasher kit (one pair only).
- KL14SF** ..... Two Lower Level Outboard/Intersector 14 Series Strobes Kit, Front Facing, Includes 20 watt Power Supply, Clear only. (See #4)
- KL17S\*\*** ..... Two Lower Level 17 Series Strobes Kit, Front Facing, Filter Color Of Choice, Includes 20 watt Power Supply (See #8)
- K64WL** ..... Two full 64 size rear work lights kit. (See #7)

## Some Kit Options Available



- KDBTTLED** ....Two Duplex LED Brake/Tail/Turn, red filters kit. (See #2)
- KCRUISE** .....Two built-in cruise lights kit.
- KCF\*** .....Color filter for rotator
- K360I\*\*** .....Two 22 Watt 360° Inboard Strobe Beacons Kit, 30° Mirrors
- KROTFIL\*** .....180° Color Half-Cylinder Filter Kit for Rotator

\*Replace symbol in model number with letter indicating lens color desired: **A**=Amber; **B**=Blue; **C**=Clear; **R**=Red; **G**=Green; **S**=Split.



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Whelen Engineering reserves the right to upgrade and improve products without notice.