



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at [wvOASIS.gov](http://wvOASIS.gov). As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at [WVPurchasing.gov](http://WVPurchasing.gov) with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

## Header 3

[List View](#)[General Information](#) [Contact](#) [Default Values](#) [Discount](#) [Document Information](#) [Clarification Request](#)

Procurement Folder: 1396006

Procurement Type: Central Purchase Order

Vendor ID: 000000206376 

Legal Name: BILLY C MCCALLISTER ELECTRONIC SERVICES INC

Alias/DBA:

Total Bid: \$94,905.00

Response Date: 04/01/2024 

Response Time: 9:38

Responded By User ID: dustin@esivv.net 

First Name: Dustin

Last Name: Osborne

Email: dustin@esivv.net

Phone: 3043893265

SO Doc Code: CRFQ

SO Dept: 0305

SO Doc ID: FOR2400000009

Published Date: 3/26/24

Close Date: 4/2/24

Close Time: 13:30

Status: Closed

Solicitation Description: VEHICLE EMERGENCY LIGHTS &amp; SIRENS

Total of Header Attachments: 3

Total of All Attachments: 3



Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

**State of West Virginia  
 Solicitation Response**

**Proc Folder:** 1396006  
**Solicitation Description:** VEHICLE EMERGENCY LIGHTS & SIRENS  
**Proc Type:** Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2024-04-02 13:30	SR 0305 ESR04012400000005612	1

**VENDOR**  
 000000206376  
 BILLY C MCCALLISTER ELECTRONIC SERVICES INC

**Solicitation Number:** CRFQ 0305 FOR2400000009  
**Total Bid:** 94905  
**Response Date:** 2024-04-01  
**Response Time:** 09:38:16  
**Comments:**

**FOR INFORMATION CONTACT THE BUYER**  
 Brandon L Barr  
 304-558-2652  
 brandon.l.barr@wv.gov

**Vendor Signature X** **FEIN#** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	FENIEX TYPHOON (C417) SIREN OR EQUAL	57.00000	EA	300.000000	17100.00

Comm Code	Manufacturer	Specification	Model #
25172100			

**Commodity Line Comments:**

**Extended Description:**

FENIEX TYPHOON (C417) SIREN OR EQUAL

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	FENIEX QUANTUM 49" LIGHTBAR WITH QUAD CONVERTER OR EQUAL	57.00000	EA	1240.000000	70680.00

Comm Code	Manufacturer	Specification	Model #
25172100			

**Commodity Line Comments:**

9SX8####  
New! 48", 4 Two-Color Red, Blue, Amber and/or White

**Extended Description:**

FENIEX QUANTUM 49" LIGHTBAR WITH QUAD CONVERTER OR EQUAL

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	FENIEX TRITON 100-WATT SPEAKER OR EQUAL	57.00000	EA	125.000000	7125.00

Comm Code	Manufacturer	Specification	Model #
25172100			

**Commodity Line Comments:**

**Extended Description:**

FENIEX TRITON 100-WATT SPEAKER OR EQUAL

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	INSTALLATION	0.00000	HOUR	50.000000	0.00

Comm Code	Manufacturer	Specification	Model #
72151501			

**Commodity Line Comments:** SHOP RATE 50.00 PER HOUR

**Extended Description:**

INSTALLATION



# SA315P Series

## MULTI-PORT SPEAKER

The SA315P is a compact speaker designed to mount in many locations to deliver powerful traffic clearing capability.

### FEATURES

- All-weather nylon composite Black housing with front loaded, powder coated speaker driver
- Meets SAE Class A requirements when paired with one Whelen 100 watt siren amplifier
- Optimum performance assured when used with all Whelen high-power electronic sirens
- Easily installs to the radiator cross member in just a few minutes
- Truer tone quality and wider/higher frequency response than speakers of comparable size
- Universal mounting bracket, plus vehicle specific brackets available
- Compact design is perfect for undercover and volunteer applications
- 2.88" (73mm) in depth
- Two year warranty



SA315P

Models	Description
SA315P	123dB speaker, nylon composite

 **WARNING:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit [whelen.com/regulatory](http://whelen.com/regulatory).





## OPTIONS

SAK1	Heavy-Duty Universal "L" Mounting Bracket
SAK9	Heavy-Duty Universal/Swivel Bail Type Mounting Bracket
SAK25	Chevy Express Van, 2006-2019
SAK62D	Chevy Silverado 1500, 2017-2018, Driver Side
SAK62P	Chevy Silverado 1500, 2017-2018, Passenger Side
SAK65	Chevy Silverado 1500, 2019
SAK63D	Chevy Tahoe, 2017-2019 Driver Side
SAK63P	Chevy Tahoe, 2017-2019 Passenger Side
SAK50	Chevy Silverado 1500 / GMC 1500, 2014-2016, Chevy Silverado 2500/3500HD, 2017-2018, Driver Side
SAK49	Chevy Silverado 1500 / GMC 1500, 2014-2016, Chevy Silverado 2500/3500HD, 2017-2018, Passenger Side
SAK42	Dodge 4500, 2011-2018, Passenger Side
SAK43	Dodge 4500, 2011-2018, Driver Side
SAK37	Dodge Charger, 2011-2020
SAK54	Dodge Durango, 2013-2020
SAK48	Dodge Ram 1500, 2012-2018 and Dodge Ram Classic, 2019, Driver Side
SAK47	Dodge Ram 1500, 2012-2018 and Dodge Ram Classic, 2019, Passenger Side

SAK32	Ford E350/E450, 2008-2018, Driver or Passenger Side
SAK23	Ford Expedition, 2007-2017
SAK44	Ford Police Interceptor Utility, 2013-2019
SAK52	Ford Police Interceptor Utility, 2013-2019, Driver Side Lower Grille
SAK51	Ford Police Interceptor Utility, 2013-2019, Passenger Side Lower Grille
SAK57	Ford F-150, 2015-2017
SAK61D	Ford F-250/F-350, 2017-2019, Driver Side
SAK61P	Ford F-250/F-350, 2017-2019, Passenger Side
SAK59	Ford Fusion, 2017-2018
SAK58	Ford Police Interceptor Sedan, 2013-2019
SAK64D	Ford Expedition, 2018 - 2019, Driver Side, (Not Required if Purchasing HWLRB27)
SAK64P	Ford Expedition, 2018- 2019, Passenger Side, (Not Required if Purchasing HWLRB27)
SAK60	Toyota Tacoma, 2016-2017
SAK66D	Ford Police Interceptor Utility, 2020, driver side grille
SAK66P	Ford Police Interceptor Utility, 2020, passenger side grille
SAK67D	Ford Police Interceptor Utility, 2020, driver side frame mount, behind the bumper

WHELEN ENGINEERING COMPANY, INC.



All products proudly designed, manufactured, and assembled in the U.S.A.

• ISO 9001 Registered QMS

Whelen Engineering reserves the right to upgrade and improve products without notice.  
© 2023 Whelen Engineering Company, Inc. Printed in U.S.A.  
Code No. P12049U - 8/22/2023

 **WARNING:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit [whelen.com/regulatory](http://whelen.com/regulatory).

**WHELEN**<sup>®</sup>  
MANUFACTURED IN AMERICA

51 Winthrop Road  
Chester, Connecticut 06412-0684  
(860) 526-9504  
[www.whelen.com](http://www.whelen.com)



# HHS 3200 & 4200 Series

## SIREN SERIES

Whelen's innovative HHS Series features standard switching and a completely redesigned molded amplifier housing, providing excellent durability. Various control heads are compatible with the HHS Series. Completely configurable by the user, these control heads are ergonomically designed for situational awareness of the officer.

## FEATURES

- Windows based programming software for full customization and configuration
- Three control heads available

## AMPLIFIER MODULE

- Durable Black molded housing
- Wail, Yelp, Piercer, Manual Siren, and Airhorn tones are preset standard
- 37 total tones, including mechanical tones and California Yelp
- Includes 20' interconnect cable
- External spade-type fuses
- Size: 8.49" (21.56cm) L x 7.46" (18.95cm) H x 2.35" (5.97cm) D

## 3200

- Eight 10 amp relay outputs and one 15 amp relay output
- Compatible with low current or high current products, or any light with a built-in flasher
- Operates one or two 100 watt speakers

## 4200

- Eight 10 amp relay outputs and one 15 amp relay output
- Includes WeCan® port that supports the Inner Edge® FST™ and RST™ Series, WeCan lightbars, or WeCan external amplifier
- Operates one or two 100 watt speakers

## SPECS

Certifications: Meets Class A requirements of SAE, AMECA, KKK1822, and California Title XIII when paired with one Whelen 100 watt speaker

Warranty: 2-Year warranty



HHS4200



CANCTL6



CANCTL5



CANCTL7

## MODELS

HHS3200	Siren amplifier with handheld controller (CANCTL5) (replaces HHS2200)
HHS3206	Siren amplifier with slide switch and rotary knob controller (CANCTL6)
HHS3207	Siren amplifier with 21 push-buttons and slide switch controller (CANCTL7)
HHS4200	Same as HHS3200, except with WeCan port that supports the Inner Edge FST and RST Series, WeCan lightbars, or WeCan external amplifier (not for use with the CANEM16 expansion module)
HHS4206	Same as HHS3206, except with WeCan port that supports the Inner Edge FST and RST series, WeCan lightbars, or WeCan external amplifier (not for use with the CANEM16 expansion module)
HHS4207	Same as HHS3207, except with WeCan port that supports the Inner Edge FST and RST series, WeCan lightbars, or WeCan external amplifier (not for use with the CANEM16 expansion module)

**WARNING:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit [whelen.com/regulatory](http://whelen.com/regulatory).

All products proudly designed, manufactured, and assembled in the U.S.A.  
• ISO 9001 Registered QMS

Whelen Engineering reserves the right to upgrade and improve products without notice.  
© 2023 Whelen Engineering Company, Inc. Printed in U.S.A.  
Code No. P13175F - 8/2023

**WHELEN**  
MANUFACTURED IN AMERICA

51 Winthrop Road  
Chester, Connecticut 06412-0684  
(860) 526-9504  
[www.whelen.com](http://www.whelen.com)

WHELEN ENGINEERING COMPANY, INC.

# Edge<sup>®</sup> 9X

## SERIES LIGHTBARS



The Edge 9X combines the most valuable design aspects of our most popular lightbars with an all-new look and expanded customization! The Edge 9X Series celebrates Whelen's long history of providing innovative, lifesaving equipment to the emergency warning industry. The Edge 9X is designed for durability, competitively priced, and highly configurable for a wide range of applications. With models available in both Short (9SX) and Tall (9TX), the Edge 9X Series is an ideal solution for any vehicle application.

### ALL-NEW DESIGN

The Whelen Edge 9000 was first introduced to the market in the 1980s. Its low-profile design and durable construction made it one of the most popular lightbars of its time. Now, we've recreated that vision with the all-new Edge 9X Series which features a retro design with modern technology updates like WeCanX<sup>®</sup> connectivity, Dynamic Variable Intensity<sup>™</sup> (DVI<sup>™</sup>) light patterns, and individually controlled lightheads for endless customization. The new Edge 9X is available in two sizes, providing a perfect fit for any size vehicle.

### FEATURES

- SAE Class 1, California Title 13
- ECE R65
- WeCanX<sup>®</sup>
- Available in two profiles
  - 1.86" H
  - 2.71" H
- DUO<sup>™</sup> Linear12<sup>™</sup> LED
- Hard-coated polycarbonate lenses
- Photocell included
- Passenger side cable exit
- Advanced Thermal Design
- DUO Linear6<sup>™</sup> LED Warning & Scene Take-Down/Alley
- Molded Polycarbonate Black tops provide protection from the elements
- 12/24 VDC
- Standard mounting feet
- Available colors are Red/Blue, Blue/Amber, Red/White, Blue/White, Amber/White, Red/Amber, Red/Green, & Green/Amber
- Five-year warranty



DUO<sup>™</sup> Linear 12 LED



Molded Polycarbonate Black Tops



Hard-Coated Polycarbonate Lenses

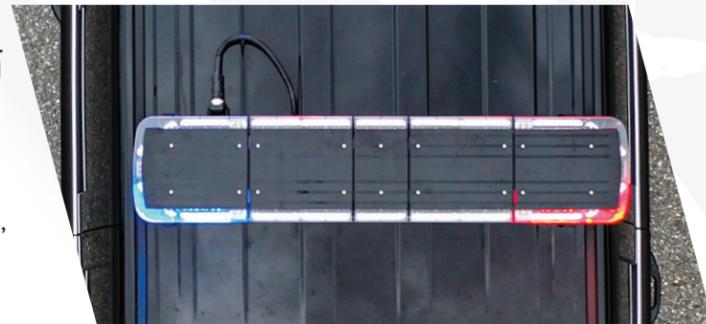


# Edge® 9X Series Lightbars



## DYNAMIC VARIABLE INTENSITY™ LIGHT PATTERNS

Edge® 9X includes Dynamic Variable Intensity (DVI) patterns, an innovative series of flash patterns designed to help create an advanced level of safety at nighttime emergency scenes. Building on Whelen's situation-based nighttime mode, DVI patterns produce safer environments for first responders by gradually increasing and decreasing warning light intensity. DVI patterns help better convey visual information to approaching motorists, clearly indicating when an emergency vehicle is parked and improving their ability to navigate around an emergency scene safely.



## WeCanX®

WeCanX is the smartest and most powerful CAN-based communication system we've ever engineered. Providing true system synchronization, greater speed capabilities, expanded peripheral add-ons, and full support of diagnostics, WeCanX is designed for optimal situational awareness programming.

WeCanX processes over 65,000 virtual inputs and supports numerous combinations of WeCanX devices, including support for multiple Whelen peripherals of the same type on the same vehicle. All CANport signals are configurable as triggerable events. (Whelen's original WeCan® only supports 8 CANport signals.)

# Edge® 9X Series Lightbars Lengths

All Edge® 9X Lightbar lengths have a total of 48 available outputs for use within the bar. 40 dedicated Warning outputs and 8 Auxiliary outputs.

- Each fullsize lighthouse with DUO™ color options require 2 outputs
- Each fullsize lighthouse with Split/DUO Color options require 3 outputs
- Short modules serve multiple purposes
  - Warning/Illumination utilizes 2 outputs
  - Illumination only (SOLO) utilizes 1 output



With each lightbar length there is a specific combination allowed, 4 Illumination and 2 Warning/Illumination per configuration. This combination can be arranged as the customer sees fit.



- 2 inputs DUO Functionality
- 3 LEDs in Illumination Purpose Optic (can be color and double as warning)
- 3 LEDs offset for Warning Purpose



- 1 input SOLO Functionality
- 3 LEDs in Illumination Purpose Optic



- 2 Inputs Warning Light with DUO Functionality
- 6 LEDs Color 1
- 6 LEDs Color 2
- Serves as Corner Module as well as Directional Modules

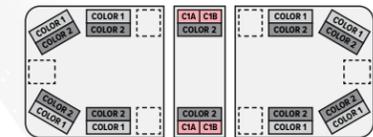


- 3 inputs Split Warning with DUO Secondary Warning
- 3 LEDs Color 1A
- 3 LEDs Color 1B
- 6 LEDs Color 2
- Only For Use As Center Module Single Center Section On 31", 43", 54" Lightbar Lengths



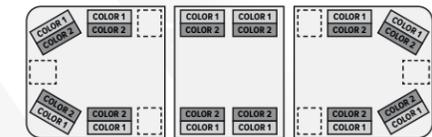
**25"**

16 Warning Outputs  
8 Auxillary Outputs



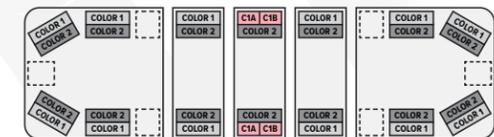
**31"**

20 Warning Outputs  
8 Auxillary Outputs



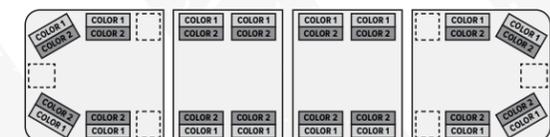
**36"**

24 Warning Outputs  
8 Auxillary Outputs



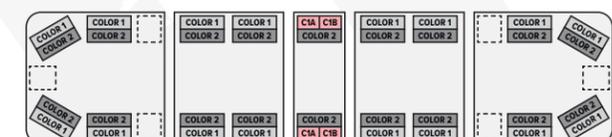
**43"**

28 Warning Outputs  
8 Auxillary Outputs



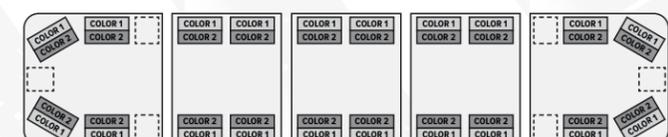
**48"**

32 Warning Outputs  
8 Auxillary Outputs



**54"**

36 Warning Outputs  
8 Auxillary Outputs



**59"**

40 Warning Outputs  
8 Auxillary Outputs



# Edge® 9X Series Lightbars



9SX8FFFF

Edge 9SX WeCanX® Series Super-LED®, Lighthoods Purchased Separately	
9SX5####	25", 4 Two-Color Red, Blue, Amber and/or White
9SX3####	31", 4 Two-Color Red, Blue, Amber and/or White
9SX6####	36", 4 Two-Color Red, Blue, Amber and/or White
9SX4####	43", 4 Two-Color Red, Blue, Amber and/or White
9SX8####	48", 4 Two-Color Red, Blue, Amber and/or White
9SX2####	54", 4 Two-Color Red, Blue, Amber and/or White
9SX0####	59", 4 Two-Color Red, Blue, Amber and/or White
Edge 9SX WeCanX Series Options	
9SXDL#	One DUO® Color Long Super-LED Lighthouse, Red, Blue, Amber and/or White
9SXDL***	One Long Super-LED Lighthouse, Split-Color Primary Warning with Full-Color Secondary Warning for Center Mount on 31", 43" & 54" Lightbars Only
9SXTW*	One DUO Color Super-LED Take-Down or Alley Light, Amber/White, Blue/White, White/White, Red/White
9SXT	Super-LED Take-Down or Alley Lights, White, Pair
9SXDESCBL	Driver Side Cable Exit
CCP	Core® Control Point for use with WeCanX Devices when NOT using Cencom Core®

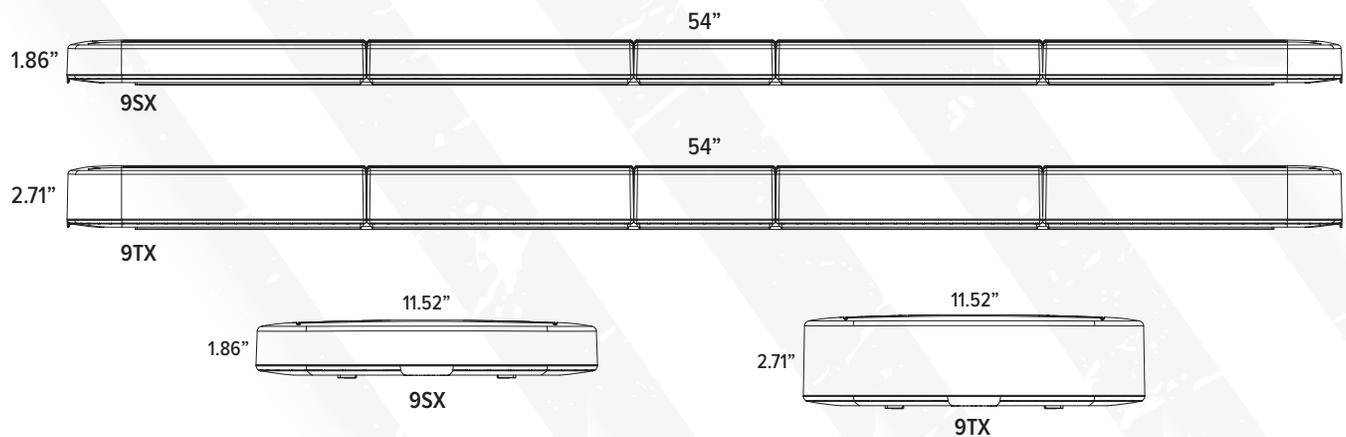
Edge 9TX WeCanX Series Super-LED, Lighthoods Purchased Separately	
9TX5####	25", 4 Two-Color Red, Blue, Amber and/or White
9TX3####	31", 4 Two-Color Red, Blue, Amber and/or White
9TX6####	36", 4 Two-Color Red, Blue, Amber and/or White
9TX4####	43", 4 Two-Color Red, Blue, Amber and/or White
9TX8####	48", 4 Two-Color Red, Blue, Amber and/or White
9TX2####	54", 4 Two-Color Red, Blue, Amber and/or White
9TX0####	59", 4 Two-Color Red, Blue, Amber and/or White
Edge 9TX WeCanX Series Options	
9TXDL#	One DUO Color Long Super-LED Lighthouse, Red, Blue, Amber and/or White
9TXDL***	One Long Super-LED Lighthouse, Split-Color Primary Warning with Full-Color Secondary Warning for Center Mount on 31", 43" & 54" Lightbars Only
9TXTW*	One DUO Color Super-LED Take-Down or Alley Light, Amber/White, Blue/White, White/White, Red/White
9TXT	Super-LED Take-Down or Alley Lights, White, Pair
9SXDESCBL	Driver Side Cable Exit
CCP	Core Control Point for use with WeCanX Devices when NOT using Cencom Core

Replace \* symbol in model number with color desired: R=Red, B=Blue, A=Amber, C=White.

Replace # symbol in model number with split, DUO: J=Red/Blue, M=Blue/Amber, D=Red/White, E=Blue/White, F=Amber/White, K=Red/Amber, L=Red/Green, P=Green/Amber



Download WeCad® for full list of available options at [whelen.com/download-software](http://whelen.com/download-software)



**WARNING:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit [whelen.com/regulatory](http://whelen.com/regulatory).



All products proudly designed, manufactured, and assembled in the U.S.A.  
• ISO 9001 Registered QMS

Whelen Engineering reserves the right to upgrade and improve products without notice.  
© 2022 Whelen Engineering Company, Inc. Printed in U.S.A.  
Code No. 13424C - 03/9/2023

**WHELEN®**  
MANUFACTURED IN AMERICA

51 Winthrop Road  
Chester, Connecticut 06412-0684  
(860) 526-9504  
[www.whelen.com](http://www.whelen.com)