

# BLUE

*PROFESSIONAL WARNING AND LIGHTING*



Whelen  
Engineering

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

**WHELEN**

# Table of Contents

Whelen History	I	White Illumination	28
Quick Reference	II	Auditory Warning & Control	36
Lightbars	1	Lighting Certifications	47
Dash & Deck	12	Product Index	48
Lighthoods	16		

## About Whelen

Whelen revolutionized emergency warning technology with the invention of the first rotating “anti-collision” beacon in 1952. Today, Whelen continues to push the boundaries of innovation with reliable and powerful lights, sirens, control systems, and software.

Whelen encompasses two state-of-the-art facilities in Connecticut and New Hampshire, with over 750,000 square feet of engineering and manufacturing space. Whelen’s 1,200 employees are committed to creating products that enhance first responder and civilian safety the way only Whelen can.

With quality as our foundation, we celebrate innovative engineering in every product we produce.



Chester, Connecticut, facility



Charlestown, New Hampshire, facility



Visit us at  
**whelen.com**  
to learn about our full line  
of emergency lighting and  
warning products

WhelenEng    

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# Icon Legend



# Tech Glossary

## Conformal Coating

A thin material that conforms to the contours of the PCB to protect the electronic components from harsh environments and impact.

## DUO™

Two color interleaved

## DUO+™

Two color interleaved with independent control of color one and color two

## DYAD™

Two level technology

## Encapsulated

Lightheades are fully encapsulated for moisture and vibration resistance.

## Hard-Coat

Our industry-first innovative Hard-Coating process counteracts the effects of environmental and chemical damages to our lenses and domes.

## Linear-LED® - (Super-LED)

Whelen's patented use of Generation 3.5 diodes and unique reflector optics to produce highly intense light that has superior wide-angle visibility and rivals strobe in performance.

## Low Current

Low current function wires require less than ¼ an amp to operate, allowing for simple operation of each lightbar function.

## Proclera® Silicone Optics

Whelen's innovative and efficient solution to distorted optical shape and fringe lighting. Proclera Optics feature 100% internal silicone optic technology, an increased ability to harness LED output and better direct and focus light, and a full-fill Square TIR optic to increase optic efficiency compared to a conventional circular TIR.

## ProFocus™

Whelen's innovative single optic LED technology that can be customized and programmed as a spotlight or floodlight, with no moving parts.

## Rota-Beam™

Solid-state "rotating" technology, simulating the appearance of a rotating beacon without any moving parts or motors for long-life reliability.

## Scan-Lock™

Whelen's advanced method of changing a products flash pattern. Scan-Lock utilizes an external wire to allow the user to cycle through the entire range of flash patterns, allowing for full customization.

## Scan-Lock+

The Scan-Lock+ app is the simplest way to change Whelen flash patterns. Designed for optimal convenience, Scan-Lock+ features an easy to use interface and utilizes a Bluetooth connection. Download the Scan-Lock+ app and browse, test, and assign Whelen flash patterns right from your phone.

## SOLO™

Single color

## Split

Two color lighthead where each color fills half of the reflector

## SmartLED®

Whelen's distinctive use of self-contained electronics to power and flash a particular LED product. These products require no external flasher, ballast, or power supply to operate.

## Standard Current

Lightbar functions are wired directly to the switching device and require switches that are matched to the current draw of the desired functions to be activated.

## Super-LED®

Whelen's innovative LED technology

## Sync

Sync provides the ability to connect multiple Whelen devices to flash together or in alternating patterns. Products with this capability allow the user to create coordinating flashing schemes.

## TIR - (Super-LED)

Whelen's optimized use of Generation 3.5 diodes and unique optics to produce highly intense light that is somewhat directional in nature.

## TRIO™

Three color interleaved with independent control of color one, color two, and color three

## WeCad™

Engineered for optimal accessibility, WeCad lightbar designer delivers the ability to design custom Whelen lightbars with every available option. Adding R65 compliant options is simple, and a bill of materials will be generated to make ordering fast and easy.

## WeCan®

Whelen's proprietary CAN based communication system

## WeCanX™

Whelen's smartest and most powerful CAN-based communication system. WeCanX provides true system synchronization, greater speed capabilities, expanded peripheral add-ons, and full support of diagnostics.

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# WHELEN® Lightbars



# Liberty™ II Series



ISOLO™ DUO+™ PROCLERA® ProFocus. W E C A N X.



Download WeCad™ for models and options  
[whelen.com/eng\\_apps](http://whelen.com/eng_apps)



## FEATURES

- New WeCanX™ models available
- SAE Class 1 Certified
- SOLO™ models available in Low Current or WeCan®, DUO+™ models available in WeCan
- Increase clarity with Whelen's patent-pending Proclera® Silicone Optics (available in take-down lights)
- ProFocus™ technology utilizes a revolutionary single optic that can be programmed as a spotlight or floodlight, with no moving parts. Available in long take-down light modules
- Advanced Thermal Design reduces the stress on LEDs during extended dwell time
- Aluminum top repels hail and other environmental damages
- Center dividers with Liquid Injection Molded seals protect internal components from water intrusion
- One piece UNI-DOME construction with a single sealing point assures lightbar integrity in all weather conditions
- Hard-coated lenses
- Available with standard or low profile mounting feet
- Available with Clear, Smoked, or color lenses
- Optional photocell automatically dims the lightbar at night and still meets SAE Class 1 requirements in low power mode

## SPECS

- SOLO Corner Amps - 2/peak and 0.80/avg per corner
- DUO+ Corner Amps (each color) - 3/peak 1.2/avg per corner
- Size: 2.5" (64mm) H x 11.313" (287mm) D

## MODELS

Models	Description	Models	Description
IX4****	SOLO 44" (110cm) single color, Red, Blue, Amber or White	BB4****	WeCanX 44" (110cm) single color, Red, Blue, Amber or White
IX8****	SOLO 48" (123cm) single color, Red, Blue, Amber or White	BB8****	WeCanX 48" (123cm) single color, Red, Blue, Amber or White
IX2****	SOLO 54" (136cm) single color, Red, Blue, Amber or White	BB2****	WeCanX 54" (136cm) single color, Red, Blue, Amber or White
IW4****	SOLO WeCan, 44" (110cm) single color, Red, Blue, Amber or White	BJ8****	WeCanX 48" (123cm) single color, Red, Blue, Amber or White with center section for 795H, strobe or center LED warning
IW8****	SOLO WeCan, 48" (123cm) single color, Red, Blue, Amber or White		WeCanX 48" (123cm) DUO+ color, Red, Blue, Amber and/or White, with center section for 795H, strobe or center LED warning
IW2****	SOLO WeCan, 54" (136cm) single color, Red, Blue, Amber or White	BJ2****	WeCanX 54" (136cm) single color, Red, Blue, Amber or White, with center section for 795H, strobe or center LED warning
BW4****	SOLO WeCanX, 44" (110cm) single color, Red, Blue, Amber or White		WeCanX 54" (136cm) DUO+ color, Red, Blue, Amber and/or White, with center section for 795H, strobe or center LED warning
BW8****	SOLO WeCanX, 48" (123cm) single color, Red, Blue, Amber or White	BB4####	WeCanX 44" (110cm) DUO+ color, Red, Blue, Amber and/or White
BW2****	SOLO WeCanX, 54" (136cm) single color, Red, Blue, Amber or White		BB8####
BH8****	SOLO WeCanX, 48" (123cm) single color, Red, Blue, Amber or White	BB2####	WeCanX 54" (136cm) DUO+ color, Red, Blue, Amber and/or White
BH2****	SOLO WeCanX, 54" (136cm) single color, Red, Blue, Amber or White		
IB4****	DUO+ WeCan, 44" (110cm) single color, Red, Blue, Amber or White		
IB8****	DUO+ WeCan, 48" (123cm) single color, Red, Blue, Amber or White		
IB2****	DUO+ WeCan, 54" (136cm) single color, Red, Blue, Amber or White		
IB4####	DUO+ WeCan, 44" (110cm) DUO+ color, Red, Blue, Amber or White		
IB8####	DUO+ WeCan, 48" (123cm) DUO+ color, Red, Blue, Amber or White		
IB2####	DUO+ WeCan, 54" (136cm) DUO+ color, Red, Blue, Amber or White		



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

Replace # in model number with interleaved color desired: D=Red/White, E=Blue/White, F=Amber/White, J=Red/Blue, K=Red/Amber, M=Blue/Amber

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# Liberty™ II TRIO™ Series

5YR 12 WeCan X CRUISE SAE CLASS 1 TITLE 13 TRIO™ PROCLERA® W E C A N X



Download **WeCad™** for models and options  
[whelen.com/eng\\_apps](http://whelen.com/eng_apps)



## FEATURES

- New WeCanX™ models available
- SAE Class 1 Certified
- Available in preconfigured combinations
- Increase clarity with Whelen's patent pending Proclera® Silicone Optics (available in take-down lights)
- Includes four corner TRIO™ Modules, alley lights, and Clear lenses
- 44" and 48" lightbar features 10 inboard modules and two 3-LED take-down lights
- 54" Lightbar features 14 inboard modules and two 3-LED take-down lights
- Advanced Thermal Design reduces the stress on LEDs during extended dwell time
- Aluminum top repels hail and other environmental damages
- Center dividers with Liquid Injection Molded seals protect internal components from water intrusion
- One piece UNI-DOME construction with a single sealing point assures lightbar integrity in all weather conditions
- Hard-coated lenses
- Plug & Play into Whelen WeCan® controllers
- Available with standard or low profile mounting feet
- Available with Clear or Smoked lenses
- Optional Photocell automatically dims the lightbar at night and still meets SAE Class 1 requirements in low power mode

## SPECS

- TRIO Corner Amps (each color) - 1.5/peak and 0.60/avg per corner
- Size: 2.5" (64mm) H x 11.313" (287mm) D

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## MODELS

Models	Description	Models	Description
I341	TRIO, 44" (110cm), Red/Blue with White illumination	B341	WeCanX 44", TRIO1, Red/Blue with White Illumination
I381	TRIO, 48" (123cm), Red/Blue with White illumination	B381	WeCanX 48", TRIO1, Red/Blue with White Illumination
I321	TRIO, 54" (136cm), Red/Blue with White illumination	B321	WeCanX 54", TRIO1, Red/Blue with White Illumination
I342	TRIO2, 44" (110cm), Red/Blue with White illumination, features an Amber Traffic Advisor	B342	WeCanX 44", TRIO2, Red/Blue with Traffic Advisor and White Illumination
I382	TRIO2, 48" (123cm), Red/Blue with White illumination, features an Amber Traffic Advisor	B382	WeCanX 48", TRIO2, Red/Blue with Traffic Advisor and White Illumination
I322	TRIO2, 54" (136cm), Red/Blue with White illumination, features an Amber Traffic Advisor	B322	WeCanX 52", TRIO2, Red/Blue with Traffic Advisor and White Illumination
I343	TRIO3, 44" (110cm), Red/Blue with White illumination and 4 green corners	B343	WeCanX 44", TRIO3, Red and Blue Warning with Green Command Corners and White Illumination Inboard
I383	TRIO3, 48" (123cm), Red/Blue with White illumination and 4 green corners	B383	WeCanX 48", TRIO3, Red and Blue Warning with Green Command Corners and White Illumination Inboard
I323	TRIO3, 54" (136cm), Red/Blue with White illumination and 4 green corners	B323	WeCanX 54", TRIO3, Red and Blue Warning with Green Command Corners and White Illumination Inboard
I344	TRIO4, 44" (110cm), Red/Blue with White illumination, features an Amber Traffic Advisor and Green Command Corners	B344	WeCanX 44", TRIO4, Red and Blue Warning with Amber Traffic Advisor and Green Command Corners and White Illumination Front and Rear Inboard
I384	TRIO4, 48" (123cm), Red/Blue with White illumination, features an Amber Traffic Advisor and Green Command Corners	B384	WeCanX 48", TRIO4, Red and Blue Warning with Amber Traffic Advisor and Green Command Corners and White Illumination Front and Rear Inboard
I324	TRIO4, 54" (136cm), Red/Blue with White illumination, features an Amber Traffic Advisor and Green Command Corners	B324	WeCanX 54", TRIO4, Red and Blue Warning with Amber Traffic Advisor and Green Command Corners and White Illumination Front and Rear Inboard
I345	TRIO5, 44" (110cm), Red/Blue with White illumination, Red/Blue/Amber rear inboards	B345	WeCanX 44", TRIO5, Red/Blue with White Illumination to the Front and Rear Corners and Red/Blue/Amber Rear Inboards
I385	TRIO5, 48" (123cm), Red/Blue with White illumination, Red/Blue/Amber rear inboards	B385	WeCanX 48", TRIO5, Red/Blue with White Illumination to the Front and Rear Corners and Red/Blue/Amber Rear Inboards
I325	TRIO5, 54" (136cm), Red/Blue with White illumination, Red/Blue/Amber rear inboards	B325	WeCanX 54", TRIO5, Red/Blue with White Illumination to the Front and Rear Corners and Red/Blue/Amber Rear Inboards
I346	TRIO6, 44" (110cm), Red/Blue with White illumination front inboards, & Red/Blue/Amber rear inboards	B346	WeCanX 44", TRIO6, Red/Blue with Green Corners and White Illumination Front Inboards and Red/Blue/Amber Rear Inboards
I386	TRIO6, 48" (123cm), Red/Blue with White illumination front inboards, & Red/Blue/Amber rear inboards, features Green Command corners	B386	WeCanX 48", TRIO6, Red/Blue with Green Corners and White Illumination Front Inboards and Red/Blue/Amber Rear Inboards
I326	TRIO6, 54" (136cm), Red/Blue with White illumination front inboards, & Red/Blue/Amber rear inboards, features Green Command corners	B326	WeCanX 54", TRIO6, Red/Blue with Green Corners and White Illumination Front Inboards and Red/Blue/Amber Rear Inboards



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# Cenator® Series



ISOLO™ DUO™ TRIO™ WE CAN X.



Download WeCad™ for models and options  
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## FEATURES

- New WeCan™ models available
- SAE Class 1 Certified
- Available in SOLO™, DUO™, or TRIO™ models
- Available in WeCan® or standard current models
- Multiple LED technologies are available for high performance versatility
- Lighthouse modules mount in any position
- Hard-coated lenses
- Advanced Thermal Design improves LED performance during extended operation
- Sleek newly designed mounting foot compliments lightbar design
- Clear outer domes with optional color tops. Smoked domes are also available
- Optional Traffic Advisor™ and Red, Blue, or Amber internal filters
- Optional single LED precision focused take-down and alley lights
- CP Series models feature BroadBand Blue™ technology

## SPECS

- Size: 2.5" (6.4cm) H x 12.1" (30.7cm) W

## MODELS

Models	Description	Models	Description
CV4****	SOLO CV, 42" (107cm), Single Color LIN6™	C321	TRIO1, 54" (137cm), 14 TRIO Linear Super-LED Inboards
CV8****	SOLO CV, 48" (122cm), Single Color LIN6	C385	TRIO2, 48" (122cm), 12 TRIO Inboards
CV2****	SOLO CV, 54" (137cm), Single Color LIN6	C325	TRIO2, 54" (137cm), 14 TRIO Inboards
CX4****	SOLO CX, 42" (107cm), Single Color LIN6+™	TY4****	SOLO, TY WeCanX 42" (107cm), Single Color LIN6
CX8****	SOLO CX, 48" (122cm), Single Color LIN6+	TY8****	SOLO, TY WeCanX 48" (122cm), Single Color LIN6
CX2****	SOLO CX, 54" (137cm), Single Color LIN6+	TY2****	SOLO, TY WeCanX 54" (137cm), Single Color LIN6
CY4****	SOLO CY, 42" (107cm), Single Color LIN6	TB4####	DUO, TB WeCanX 42" (107cm), Single Color LIN6
CY8****	SOLO CY, 48" (122cm), Single Color LIN6	TB8####	DUO, TB WeCanX 48" (122cm), Single Color LIN6
CY2****	SOLO CY, 54" (137cm), Single Color LIN6	TB2####	DUO, TB WeCanX 54" (137cm), Single Color LIN6
CP4****	SOLO CP, WeCan 42" (107cm), Single Color LIN6+	TP4****	SOLO, TP WeCanX 42" (107cm), Single Color LIN6+
CP8****	SOLO CP, WeCan 48" (122cm), Single Color LIN6+	TP8****	SOLO, TP WeCanX 48" (122cm), Single Color LIN6+
CP2****	SOLO CP, WeCan 54" (137cm), Single Color LIN6+	TP2****	SOLO, TP WeCanX 54" (137cm), Single Color LIN6+
CB4####	DUO CB, WeCan 42" (107cm), DUO Color LIN6	TJ4####	DUO, TJ WeCanX 42" (107cm), Single Color LIN6+
CB8####	DUO CB, WeCan 48" (122cm), DUO Color LIN6	TJ8####	DUO, TJ WeCanX 48" (122cm), Single Color LIN6+
CB2####	DUO CB, WeCan 54" (137cm), DUO Color LIN6	TJ2####	DUO, TJ WeCanX 54" (137cm), Single Color LIN6+
CJ4####	DUO CJ, WeCan 42" (107cm), DUO Color LIN6+		
CJ8####	DUO CJ, WeCan 48" (122cm), DUO Color LIN6+		
CJ2####	DUO CJ, WeCan 54" (137cm), DUO Color LIN6+		
C381	TRIO1, 48" (122cm), 12 TRIO Linear Super-LED® Inboards		

Replace \* symbol in model number with letter indicating color desired:  
 A=Amber, B=Blue, R=Red, C=White  
 Replace # in model number with interleaved color desired: D=Red/White, E=Blue/White,  
 F=Amber/White, J=Red/Blue, K=Red/Amber, M=Blue/Amber

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# Legacy<sup>®</sup> Series



Download WeCad™ for models and options  
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## FEATURES

- New WeCanX™ models available
- SAE Class 1 Certified
- Available in SOLO™ or DUO+™ models
- Each DUO+ lighthead segment can be operated independently or at the same time, without loss of intensity
- Advanced Thermal Design reduces the stress on LEDs during extended dwell time
- One piece UNI-DOME construction with a single sealing point assures lightbar integrity in all weather conditions
- Hard-coated lenses
- Plug & Play into Whelen WeCan® controllers
- Clear outer lenses standard (available with Smoked or color lenses)
- Optional photocell automatically dims the lightbar at night and still meets SAE Class 1 requirements in low power mode
- Optional Traffic Advisor™ available in single or DUO™ color
- Many options available; consult current price list or WeCad build-a-bar software

## SPECS

- SOLO Corner Amps - 1.26/peak and 0.50/avg per corner
- DUO Corner Amps (each color) - 3/peak and 1.8/avg per corner
- Size: 1.625" (41mm) H x 11.313" (287mm) D

## MODELS

Models	Description	Models	Description	Models	Description
GS4***	WeCan, SOLO, 43.25" (110cm), one color	G341	44" (112cm), TRIO1, configured*	G344	44" (112cm), TRIO4, configured****
GS8***	WeCan, SOLO, 48" (123cm), one color	G381	48" (123cm), TRIO1, configured*	G384	48" (123cm), TRIO4, configured****
GS2****	WeCan, SOLO, 53.75" (136cm), one color	G321	54" (137cm), TRIO1, configured*	G324	54" (137cm), TRIO4, configured****
ES4***	WeCanX, SOLO, 44" (112cm), one color	E341	WeCanX, 44" (112cm), TRIO1, configured*	E344	WeCanX, 44" (112cm), TRIO4, configured****
ES8***	WeCanX, SOLO, 48" (122cm), one color	E381	WeCanX, 48" (123cm), TRIO1, configured*	E384	WeCanX, 48" (123cm), TRIO4, configured****
ES2****	WeCanX, SOLO, 54" (137cm), one color	E321	WeCanX, 54" (137cm), TRIO1, configured*	E324	WeCanX, 54" (137cm), TRIO4, configured****
GB4***	WeCan, DUO+, 43.25" (110cm), one color	G342	44" (112cm), TRIO2, configured**	G345	44" (112cm), TRIO5, configured*****
GB4####	WeCan, DUO+, 43.25" (110cm), two color	G382	48" (123cm), TRIO2, configured**	G385	48" (123cm), TRIO5, configured*****
GB8***	WeCan, DUO+, 48" (123cm), one color	G322	54" (137cm), TRIO2, configured**	G325	54" (137cm), TRIO5, configured*****
GB8####	WeCan, DUO+, 48" (123cm), two color	E342	WeCanX, 44" (112cm), TRIO2, configured**	E345	WeCanX, 44" (112cm), TRIO5, configured*****
GB2****	WeCan, DUO+, 53.75" (136cm), one color	E382	WeCanX, 48" (123cm), TRIO2, configured**	E385	WeCanX, 48" (123cm), TRIO5, configured*****
GB2####	WeCan, DUO+, 53.75" (136cm), two color	E322	WeCanX, 54" (137cm), TRIO2, configured**	E325	WeCanX, 54" (137cm), TRIO5, configured*****
EB4***	WeCanX, DUO+, 44" (112cm), one color	G343	44" (112cm), TRIO3, configured***	G346	44" (112cm), TRIO6, configured*****
EB4####	WeCanX, DUO+, 44" (112cm), two color	G383	48" (123cm), TRIO3, configured***	G386	48" (123cm), TRIO6, configured*****
EB8***	WeCanX, DUO+, 48" (122cm), one color	G323	54" (137cm), TRIO3, configured***	G326	54" (137cm), TRIO6, configured*****
EB8####	WeCanX, DUO+, 48" (122cm), two color	E343	WeCanX, 44" (112cm), TRIO3, configured***	E346	WeCanX, 44" (112cm), TRIO6, configured*****
EB2****	WeCanX, DUO+, 54" (137cm), one color	E383	WeCanX, 48" (123cm), TRIO3, configured***	E386	WeCanX, 48" (123cm), TRIO6, configured*****
EB2####	WeCanX, DUO+, 54" (137cm), two color	E323	WeCanX, 54" (137cm), TRIO3, configured***	E326	WeCanX, 54" (137cm), TRIO6, configured*****



Replace \* symbol in model number with letter indicating color desired: A=Amber, B=Blue, R=Red, C=White  
 Replace # in model number with interleaved color desired: D=Red/White, E=Blue/White, F=Amber/White, J=Red/Blue, K=Red/Amber, M=Blue/Amber

- \* Red/Blue with White Illumination
- \*\* Red/Blue with White illumination front and rear corners, Red/Amber/White driver rear inboard and Blue/Amber/White passenger inboard
- \*\*\* Red/Blue with Green corners and White illumination Front and Rear inboards
- \*\*\*\* Red/Blue with Green corners and White illumination front inboards and Red/Amber/White driver rear inboard and Blue/Amber/White passenger inboard
- \*\*\*\*\* Red/Blue with White illumination to the front and rear corners and Red/Blue/Amber rear inboards
- \*\*\*\*\* Red/Blue with Green corners and White illumination front inboards and Red/Blue/Amber rear inboards

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# Freedom<sup>®</sup> IV DYAD<sup>™</sup> Series



ISOLO W E C A N X.

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whelen.com/eng\_apps



## FEATURES

- New WeCanX<sup>™</sup> models available
- SAE Class 1 Certified
- Linear Super-LED<sup>®</sup> technology
- WeCan<sup>®</sup> DYAD two level technology (single or two color) allows for individual control of each level of each lighthouse
- Low Current DYAD two level technology (single color) allows for individual control of each lighthouse segment (2x2)
- Add up to 16 optional Linear Super-LED directional modules
- Advanced Thermal Design reduces the stress on LEDs during extended dwell time
- Aluminum top repels hail and other environmental damages
- Center dividers with Liquid Injection Molded seals protect internal components from water infiltration
- One piece UNI-DOME construction with a single sealing point assures lightbar integrity in all weather conditions
- 100% solid-state electronics
- Available with Clear or Smoked lenses
- Hard-coated lenses
- 17' passenger side cable
- Optional photocell automatically dims the lightbar at night and still meets SAE Class 1 requirements in low power mode

## SPECS

- Amps - 1.68/peak and 0.67/avg per corner
- Size: 3.75" (95mm) H x 12.5" (318mm) D

## MODELS

Models	Description
F4X4****	Low Current, 44.5" (113cm), 4 Red, Blue, Amber and/or White, single color modules
F4X8****	Low Current, 49.25" (125cm), 4 Red, Blue, Amber and/or White, single color modules
F4X2****	Low Current, 55" (140cm), 4 Red, Blue, Amber and/or White, single color modules
F4X0****	Low Current, 60" (152cm), 4 Red, Blue, Amber and/or White, single color modules
F4X7****	Low Current, 72" (183cm), 4 Red, Blue, Amber and/or White, single color modules
F4W4****	WeCan, 44.5" (113cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules
F4W8****	WeCan, 49.25" (125cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules
F4W2****	WeCan, 55" (140cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules
F4W0****	WeCan, 60" (152cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules
F4W7****	WeCan, 72" (183cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules
K4W4****	WeCanX 44.5" (113cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules
K4W8****	WeCanX 49.25" (125cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules
K4W2****	WeCanX 55" (140cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules
K4W0****	WeCanX 60" (152cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules
K4W7****	WeCanX 72" (183cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules



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

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# Freedom<sup>®</sup> IV DUO<sup>™</sup> Series



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## FEATURES

- New WeCanX<sup>™</sup> models available
- SAE Class 1 Certified
- Linear Super-LED<sup>®</sup> technology
- WeCan<sup>®</sup> DUO technology (two color) allows for individual control of each color and each lighthouse, while providing a large aspect ratio of warning and illumination
- Advanced Thermal Design reduces the stress on LEDs during extended dwell time
- Center dividers with LIM (Liquid Injection Molded) seals protect internal components from water infiltration
- Lightbar sealing points assure lightbar integrity in all weather conditions
- 100% solid-state electronics
- Standard 17' passenger side cable, optional driver side cable available
- Optional photocell automatically dims the lightbar at night while still meeting SAE Class 1 requirements in low power mode

## SPECS

- 12 VDC
- Size: 3/75" (95mm) H x 12.5" (318mm) D

## MODELS

Models	Description
F424####	Low Current, 44.5" (113cm), 4 Blue/White or Red/White DUO modules
F428####	Low Current, 49.25" (125cm), 4 Blue/White or Red/White DUO modules
F422####	Low Current, 55" (140cm), 4 Blue/White or Red/White DUO modules
F420####	Low Current, 60" (152cm), 4 Blue/White or Red/White DUO modules
F427####	Low Current, 72" (183cm), 4 Blue/White or Red/White DUO modules
K424####	WeCanX, 44.5" (113cm), 4 Blue/White or Red/White DUO modules
K428####	WeCanX, 49.25" (125cm), 4 Blue/White or Red/White DUO modules
K422####	WeCanX, 55" (140cm), 4 Blue/White or Red/White DUO modules
K420####	WeCanX, 60" (152cm), 4 Blue/White or Red/White DUO modules
K427####	WeCanX, 72" (183cm), 4 Blue/White or Red/White DUO modules

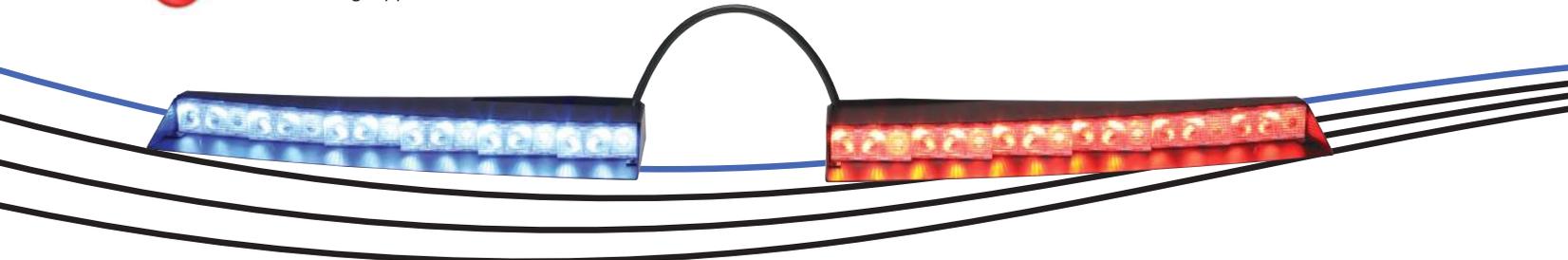
Replace # in model number with interleaved color desired: D=Red/White, E=Blue/White

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# Inner Edge® FST™ Series

5YR  $\leq 12$  LC WeCan X SCAN LOCK CRUISE SAE CLASS 1 TITLE 13 ISOLO DUO TRIO PROCLERA W E C A N X

 Download WeCad™ for models and options  
[whelen.com/eng\\_apps](http://whelen.com/eng_apps)



## FEATURES

- New WeCanX™ models available
- SAE Class 1 Certified
- Upper front units mounts to visor anchor points
- Low Current models are available with SOLO™ light modules
- Now available with BroadBand Blue™. BroadBand Blue delivers a higher intensity, a larger optical image, and produces a more consistent color
- Available as passenger side only or driver/passenger combo
- 38 Scan-Lock™ flash patterns
- WeCan® capable models are fully programmable, providing individual control of each color, and are available with SOLO, DUO™, or TRIO™ interleaved light modules
- Vehicle specific housing minimizes flashback to vehicle passengers
- Increase clarity with Proclera® Silicone Optics
- 17' cable included
- Ships fully assembled
- Refer to website for full list of models

## SPECS

- Amps - 1.68/peak and 0.67/avg per corner
- Size: 3.75" (95mm) H x 12.5" (318mm) D



# Inner Edge® RST™ Series

5YR  $\leq 12$  LC WeCan X SCAN LOCK CRUISE SAE CLASS 1 TITLE 13 ISOLO DUO TRIO PROCLERA W E C A N X

 Download WeCad™ for models and options  
[whelen.com/eng\\_apps](http://whelen.com/eng_apps)



## FEATURES

- New WeCanX models available
- SAE Class 1 Certified
- Mounts to the rear headliner of SUVs and pickup trucks
- Drop-in lighthead tray is universal, allowing for easy serviceability
- Lighthead tray can be repurposed to a different vehicle by obtaining an alternate housing and mounting kit
- 70 Scan-Lock flash patterns
- Low Current models are available with SOLO light modules
- WeCan models are fully programmable, providing individual control of each color, and are available with SOLO, DUO, or TRIO interleaved light modules
- Refer to website for full list of models



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# Outer Edge® Series



ISOLO™ DUO™ TRIO™



Download WeCad™ for models and options  
whelen.com/eng\_apps



## FEATURES

- SAE Class 1 Certified
- Lighthoods are fully encapsulated for moisture, vibration, and corrosion resistance
- Hard-coated lenses
- WeCan® compatible models require a remote flasher, CenCom Carbide™, CanTrol®, or REMOTE16 module, purchased separately
- Low Current models include an internal flasher and are available with SOLO™ lighthoods
- WeCanX™ compatible models require CenCom Core™ or CEM16, purchased separately

### REAR FACING

- Two independent powder Black powder coated

housings mount easily to the rear spoiler

- Each housing supports three ION™ lighthoods in SOLO, DUO™, or TRIO™ colors
- Low Current models are available with SOLO lighthoods and feature Traffic Advisor™ patterns

### REAR PILLAR

- Vehicle specific vacuum formed ABS housings conform to vehicle back pillars
- All-new vacuum formed housings provide easy serviceability and conform to vehicle back pillars
- Housings mount with 3M® VHB tape, included

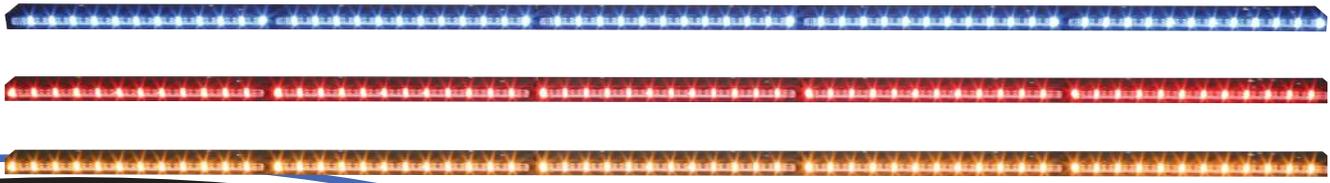
## MODELS

Models	Description	Models	Description
RPLS44	Low Current, SOLO, Rear Facing, Dodge Durango, 2019-2020	RPLS50	Low Current, SOLO, Rear Facing, Ford Police Interceptor Utility, 2020
RPWS44	WeCan, SOLO, Rear Facing, Dodge Durango, 2019-2020	RPWS50	WeCan, SOLO, Rear Facing, Ford Police Interceptor Utility, 2020
RPWS50	WeCan, SOLO, Rear Facing, Ford Police Interceptor Utility 2020	RPWD50	WeCan, DUO, Rear Facing, Ford Police Interceptor Utility, 2020
RPWD44	WeCan, DUO, Rear Facing, Dodge Durango, 2019-2020	RPWT50	WeCan, TRIO, Rear Facing, Ford Police Interceptor Utility, 2020
RPWT44	WeCan, TRIO, Rear Facing, Dodge Durango, 2019-2020	OELS45	Low Current, SOLO, Rear Facing, Chevy Tahoe, 2015-2020
RPLS44	Low Current, SOLO, Rear Facing, Dodge Durango, 2019-2020	OELS44	Low Current, SOLO, Rear Facing, Dodge Durango, 2017-2019
RPWS44	WeCan, SOLO, Rear Facing, Dodge Durango, 2019-2020	OELS50	Low Current, SOLO, Rear Facing, Ford Police Interceptor Utility 2020
OELS34	Low Current, SOLO, Rear Facing, Ford Police Interceptor Utility, 2013-2019	OEWS45	WeCan, SOLO, Rear Facing, Chevy Tahoe, 2016-2019
OEWS34	WeCan, SOLO, Rear Facing, Ford Police Interceptor Utility, 2013-2019	OEWS44	WeCan, SOLO, Rear Facing, Dodge Durango, 2017-2019
OEWS44	WeCan, SOLO, Rear Facing, Dodge Durango, 2017-2019	OEWD45	WeCan, DUO, Rear Facing, Chevy Tahoe, 2015-2020
OEWS50	WeCan, SOLO, Rear Facing, Ford Police Interceptor Utility 2020	OEWD44	WeCan, DUO, Rear Facing, Dodge Durango, 2017-2019
OEWD34	WeCan, DUO, Rear Facing, Ford Police Interceptor Utility, 2013-2019	OEWD50	WeCan, DUO, Rear Facing, Ford Police Interceptor Utility 2020
OEWT34	WeCan, TRIO, Rear Facing, Ford Police Interceptor Utility, 2013-2019	OEWT45	WeCan, TRIO, Rear Facing, Chevy Tahoe, 2016-2019
OEWT44	WeCan, TRIO, Rear Facing, Dodge Durango, 2017-2019	OEWT44	WeCan, TRIO, Rear Facing, Dodge Durango, 2017-2019
OEWT50	WeCan, TRIO, Rear Facing, Ford Police Interceptor Utility 2020	RPLS45	Low Current, SOLO, Rear Pillar, Chevy Tahoe, 2016-2019
RPLS34	Low Current, SOLO, Rear Pillar, Ford Police Interceptor Utility, 2013-2019	RPWS45	WeCan, SOLO, Rear Pillar, Chevy Tahoe, 2016-2019
RPWS34	WeCan, SOLO, Rear Pillar, Ford Police Interceptor Utility, 2013-2019	RPWD45	WeCan, DUO, Rear Pillar, Chevy Tahoe, 2016-2019
RPWD34	WeCan, DUO, Rear Pillar, Ford Police Interceptor Utility, 2013-2019	RPWT45	WeCan, TRIO, Rear Pillar, Chevy Tahoe, 2016-2019
RPWT34	WeCan, TRIO, Rear Pillar, Ford Police Interceptor Utility, 2013-2019		



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# Tracer™ Series



## FEATURES

- SAE Class 1 Certified
- Available in SOLO™, DUO™, or TRIO™ modules
- Lighthoods are daisy-chained together in lengths from 1 to 6 modules using the provided extrusion
- DUO and TRIO models feature steady override, such as White steady-burn
- DUO and TRIO models can be synced to other Whelen sync products
- Traffic-Advisor™ included in 4-6 lamp versions
- Encapsulated, water resistant control module for exterior or interior installation
- Custom light configuration choices are achieved via the mode control wire
- Hard-coated lenses
- Easily serviceable clamshell design

## MODELS

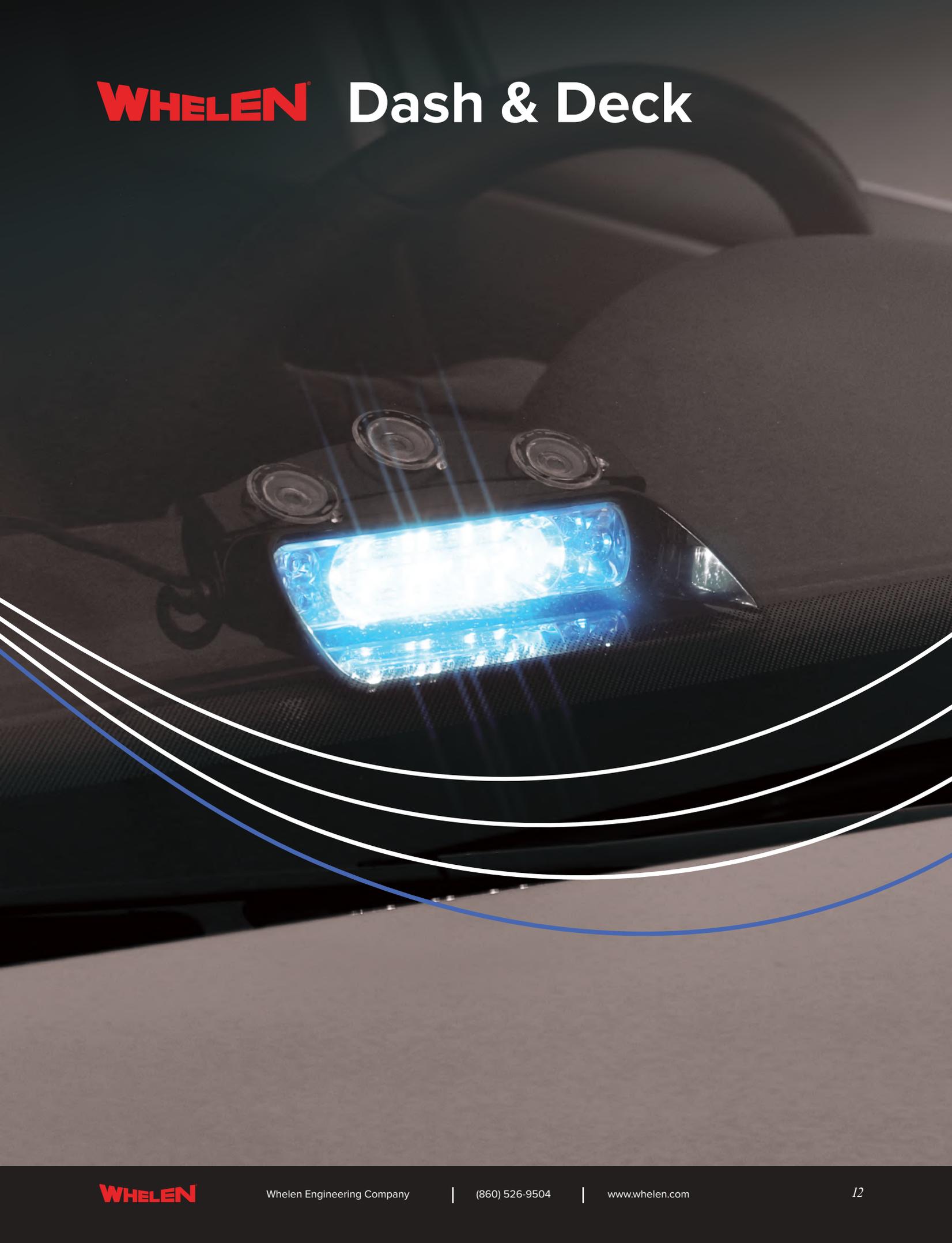
Model	Housing	Technology	Mount	VDC	Amps	Patterns	Cable	Certs	Size
TCRHS1	1 Lamp	SOLO Linear Super-LED*	Slide bolt with vehicle specific brackets or universal "L" brackets	12	0.5 amps peak per module	30 Scan-Lock™	15' with encapsulated in-line driver	SAE Class 1	0.75" (19mm) H x 12.5" (318mm) W x 1.75" (44mm) D
TCRHS2	2 Lamp								
TCRHS3	3 Lamp								
TCRHS4	4 Lamp								
TCRHS5	5 Lamp								
TCRHS6	6 Lamp								
TCRL*	Amber, Blue, Red, or White SOLO lighthouse								
TCRHD1	1 Lamp	DUO Linear Super-LED	Slide bolt with vehicle specific brackets or universal "L" brackets	12	0.5 amps peak per module	30 Scan-Lock	15' with encapsulated in-line driver	SAE Class 1	0.75" (19mm) H x 12.5" (318mm) W x 1.75" (44mm) D
TCRHD2	2 Lamp								
TCRHD3	3 Lamp								
TCRHD4	4 Lamp								
TCRHD5	5 Lamp								
TCRHD6	6 Lamp								
TCRL**	Amber, Blue, Red, and/or White DUO lighthouse								
TCRHT1	1 Lamp	TRIO Linear Super-LED	Slide bolt with vehicle specific brackets or universal "L" brackets	12	0.5 amps peak per module	30 Scan-Lock	15' with encapsulated in-line driver	SAE Class 1	0.75" (19mm) H x 12.5" (318mm) W x 1.75" (44mm) D
TCRHT2	2 Lamp								
TCRHT3	3 Lamp								
TCRHT4	4 Lamp								
TCRHT5	5 Lamp								
TCRHT6	6 Lamp								
TCRLRBC	Red/Blue/White TRIO lighthouse								
TCRLRBA	Red/Blue/Amber TRIO lighthouse								



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

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# WHELEN<sup>®</sup> Dash & Deck



# Avenger® II Series



## FEATURES

- SAE Class 1 Certified
- Newly designed combination Linear/TIR optics provide high intensity warning and illumination and a smaller profile maximizes space for optimal versatility
- Available in SOLO™, DUO™, or TRIO™ modules
- Hard-coated lenses
- Black polycarbonate housing
- Mounts via swivel/bail bracket with three suction cups
- Models include 10' cord with cigar plug with On/Off switch and pattern selection switch

## MODELS

Model	Series	Lamp	Colors	Override	VDC	Patterns	Size (with shroud)
AVC11*	SOLO	Single	Amber, Blue, Red, or White			26	
AVC21**		Dual	Amber, Blue, Red, or White			55	
AVC12#		Single	Red/White, Blue/White, Amber/White, Blue/Red, or Blue/Amber			26	
AVC22DD	DUO		Two Red/White	N/A	12	55	Single unit: 1.75" (44mm) H x 6.5" (165mm) W x 4.5" (144mm) D
AVC22DE			One Red/White, One Blue/White				
AVC22EE		Dual	Two Blue/White				
AVC22FF			Two Amber/White				
AVC22JJ			Two Red/Blue				
AVC22MM			Two Blue/Amber				
AVC13RBC	TRIO	Single	Red/Blue/White	White	26	55	Height with adjustable mounting bracket for all models: 1.6" (41mm) to 1.9" (74mm)
AVC13RBA			Red/Blue/Amber	Amber			
AVC13RAC			Red/Amber/White	White			
AVC13BAC		Dual	Blue/Amber/White	White			
AVC23RBC			Red/Blue/White	White			
AVC23RBA			Red/Blue/Amber	Amber			
AVC23RAC	Red/Amber/White	White					
AVC23BAC		Blue/Amber/White	White				

Replace \* symbol in model number with letter indicating color desired: A=Amber, B=Blue, R=Red, C=White  
 Replace # in model number with interleaved color desired: D=Red/White, E=Blue/White, F=Amber/White, J=Red/Blue, M=Blue/Amber

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# SpitFire ION™ Series



## FEATURES

- SAE Class 1 Certified
- ION™ Super-LED® interior dash and deck light
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Hard-coated lenses
- Includes universal bracket, windshield suction cup mount
- Includes integral hood and 10' cord with cigar plug, On/Off switch with LED "On" indicator, and Scan-Lock™ pattern control switch



## MODELS

Model	Technology	Amps	VDC	Patterns	Size
SFION*	Super-LED	0.46/avg 1/peak	12	25 Scan-Lock, single color	1.625" (41mm) H x 5.125" (130mm) W x 3.375" (86mm) D
SFION#				69 Scan-Lock, split color	

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Replace \* symbol in model number with letter indicating color desired: A=Amber, B=Blue, R=Red, C=White, G=Green  
 Replace # in model number with interleaved color desired: D=Red/White, E=Blue/White, J=Red/Blue

# FlatLighter™ Series



## FEATURES

- Visor mount interior light
- Hard-coated lenses
- Includes Velcro mounting straps
- Includes 8' straight cord with cigar plug



## MODEL

Model	Technology	Amps	VDC	Patterns	Size
FLLED**	LED	0.8	12	21 Scan-Lock™	4.5" (114mm) H x 13" (330mm) W x 1.25" (32mm) D

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

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# Dominator™ & Dominator Plus™ Series



## FEATURES

- SAE Class 1 Certified
- Low profile surface mount housing designed for interior or exterior use
- Choice of TIR3™ or LINZ6™ modules
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Internal self-contained electronics
- Hard-coated lenses
- Extruded aluminum Black powder coated housing
- Eight module units are available with end flashers

## MODELS

Model	Series	Technology	Description	Amps	Patterns	Mounting	Size	Length
D2	Dominator	TIR3 Super-LED*	2 Lamp, Requires 2 D*	0.16/avg 0.4/peak per lamp	7 Scan-Lock™	Slide bolt	1.188" (35mm) H x 2.188" (55mm) D	7" (178mm)
D4			4 Lamp, Requires 4 D*		14" (356mm)			
D6			6 Lamp, Requires 6 D*		21" (533mm)			
D8			8 Lamp, Requires 8 D*		28" (711mm)			
D* TIR3 Super-LED lighthouse, Amber, Blue, Red, or White								
DP2	Dominator Plus	LINZ6 Super-LED	2 Lamp, Requires 2 DP*	0.30/avg 0.75/peak per lamp	7 Scan-Lock	Slide bolt	1.188" (35mm) H x 2.188" (55mm) D	7" (178mm)
DP4			4 Lamp, Requires 4 DP*		14" (356mm)			
DP6			6 Lamp, Requires 6 DP*		21" (533mm)			
DP8			8 Lamp, Requires 8 DP*		28" (711mm)			
DP* LINZ6 Super-LED lighthouse, Amber, Blue, Red, or White								

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

## OPTIONS

Model	Description
DBKT3	Swivel mount bracket kit for D2, D4, DP2, DP4 Series only, customer installed
DBKT4	"L" angle mounting bracket kit, customer installed
DBKT5	Upper rear window bracket for Chevy Tahoe, 2008-2019 and Ford Police Interceptor Utility, 2013-2019

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# WHELEN<sup>®</sup> Lightheads



# Vertex™ Series



## FEATURES

- SAE Class 1 Certified
- Self-contained light with in-line lamp driver
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Designed to mount in composite style headlight or taillight, or surface mount to exterior surfaces with flange mount option
- Hard-coated lenses
- Clear outer lens, color LEDs
- Available with SAE Class 1 Certified Smoked lenses

## MODELS

Model	Optics	Technology	Mount	Color	Lens	VDC	FPM	Amps	Cable	Size
VTX609*	Omni-directional	Super-LED*	1" Hole recess or Surface (Mounting Purchased separately)	R, B, A, W	Clear	12	25 Scan-Lock*	.750/peak .30/avg	9'	1" (26mm) H x 1.625" (41mm) Dia.
XTX609*				Smoked						
VTX609#				Clear						
XTX609#				Smoked						
VTXD609*	Directional/side emitting shield		R, B, A, W	Clear						
XTXD609*			Smoked							
VTXD609#			Clear							
XTXD609#	Smoked									
VTX3609*	360° side emitter	1" Hole recess	R, B, A, W	Clear						
VTX3609#			Split R, B, A, and/or W							
VHB609*	Omni-directional	Surface	R, B, A, W	Clear						
VHB609#			Split R, B, A, and/or W							

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

Replace # in model number with interleaved color desired: D=Red/White, E=Blue/White, F=Amber/White, J=Red/Blue

## OPTIONS

Model	Description
VTXFC	Chrome plated flange
VTXFB	Black flange

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# Micron™ Series



## FEATURES

- SAE Class 1 Certified
- Stud mount Micron allows for easy and simple surface mount installation
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Hard-coated lenses
- Available with SAE Class 1 Certified Smoked lenses

## MODELS

Model	Technology	Mount	Color	Lens	Flange	VDC	Amps	Patterns	Cable	Size
MCRNS*	Linear Super-LED®	Surface	A, B, R, W	Clear	Black	12	0.6/peak 0.24/ avg	25 Scan-Lock™	6" Pigtail	0.875" (23mm) H x 4" (102mm) W x 0.875" (23mm) D
MCRNSC*			Chrome							
MCRNS#			Black							
MCRNSC#			Chrome							
MCRNS*X			A, B, R, W	Smoked	Black					
MCRNS#X			W/R, B/R, A/R							
MCRNT*		A, B, R, W,	Clear							-
MCRNT#		W/R, B/R, A/R								
MCRNT*X		A, B, R, W		Smoked						
MCRNT#X		W/R, B/R, A/R								



Replace \* symbol in model number with letter indicating color desired: A=Amber, B=Blue, R=Red, C=White  
 Replace # in model number with interleaved color desired: D=Red/White, J=Red/Blue, K=Red/Amber

## OPTIONS

Model	Description
MCRNB1	Black angle "L" mounting bracket
MCRNB2	License plate bracket for 2 lights

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# ION™ T-Series™ & Mini T-Series™

5YR 12 SYNC SCAN LOCK IP67 SAE CLASS 1 SOLO DUO



## FEATURES

- Linear Super-LED® optics
- Hard-coated lenses
- Easily surface mounts with two screws
- Includes Black flange

## ION T-SERIES

- SAE Class 1 Certified
- Available in SOLO™ or DUO™ models

- DUO models feature independent control of color one and color two
- SOLO models available in single or split colors

## ION MINI T-SERIES

- Available with SAE Class 1 Certified Smoked lenses
- SAE Class 1 Certified (single color only)

## MODELS

Model	Series	Optics	Technology	Mount	Color	Lens	VDC	Amps	Patterns	Cable	Size
TLI*						Clear					
TLI*X						Smoked					
TLI#	T-Series	SOLO™			A, B, R, W	Clear	12	0.6/peak 0.24/avg	25	4 Wire 6" Pigtail	1.5" (38mm) H x 5.14 (127mm) W x 0.5" (13mm) D
TLI#X						Smoked			Scan-Lock™		
TLI2#		DUO™	Linear Super-LED	Surface	R/W, B/W, A/W, R/B, A/B	Clear			69		
TLI2#X						Smoked			Scan-Lock		
TLMI*	Mini T-Series	SOLO			A, B, R, W			0.4/peak 0.16/avg	25		1.5" (38mm) H x 3.375" (85mm) W x 0.5" (13mm) D
TLMI2#		DUO			R/W, B/W, A/W, R/B, A/B	Clear		0.2/peak 0.08/avg per color	69	Scan-Lock	

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Replace \* symbol in model number with letter indicating color desired: A=Amber, B=Blue, R=Red, C=White  
 Replace # in model number with interleaved color desired: D=Red/White, E=Blue/White, F=Amber/White, J=Red/Blue, K=Red/Amber, M=Blue/Amber

## T-SERIES OPTIONS

Model	Description
TIONFC	Flange, Chrome
TIONBKT1	"L" mounting bracket for 1 lighthouse
TIONBKT2	Universal license plate bracket for 2 lighthoods
TIONBKT3	"L" mounting bracket for 2 lighthoods
TIONBKT4	Universal over/under "L" mounting bracket for 2 lighthoods
TIONBKT5	2020 Ford Interceptor Utility Grille Array

## MINI T-SERIES OPTIONS

Model	Description
TIONMLB	Surface Mount Flange, Black
TIONMLC	Surface Mount Flange, Chrome
TIONGRM	Grommet mount kit
TIONMBK1	Universal adjustable license plate bracket for 2 lighthoods
TIONMBK2	Universal swivel license plate bracket for 2 lighthoods
TIONMBK4	"L" mounting bracket for 2 lighthoods

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# ION™ Series

5YR 12 SYNC SCAN LOCK IP67 SAE CLASS 1 ISOLO™



## FEATURES

- SAE Class 1 Certified
- ION models feature TIR directional optics
- WION models feature wide-angle optics
- Available in single or split colors
- Includes steady-burn, alternating, and simultaneous patterns
- Hard-coated lenses
- Available with SAE Class 1 Certified Smoked lenses

## MODELS

Model	Optics	Technology	Mount	Color	Lens	Housing	Amps	Patterns	Cable	Size				
ION*	Directional	Super-LED®	Universal	A,B, R, W	Clear	Black	1/peak 0.40/avg	25 Scan-Lock™	6" Pigtail	1" (25mm) H x 4" (101mm) W x 1.25" (32mm) D				
XON*				Smoked										
ION#				R/W, R/B, B/A	Clear									
XON#				Smoked										
WION*	Wide-angle		A,B, R, W	Clear										
WXON*			Smoked											
WION#			R/W, R/B, B/A	Clear										
WXON#			Smoked											
IONSM*	Directional	A,B, R, W	Surface, includes flange	Clear	Black	1/peak 0.40/avg	25 Scan-Lock™	6" Pigtail	1.688" (43mm) H x 6" (150mm) W x 1.125" (28mm) D					
XONSM*		Smoked												
IONSM#		R/W, R/B, B/A		Clear										
XONSM#		Smoked												
WIONSM*	Wide-angle	A,B, R, W	Surface, includes flange	Clear						Black	1/peak 0.40/avg	25 Scan-Lock™	6" Pigtail	1.688" (43mm) H x 6" (150mm) W x 1.125" (28mm) D
WXONSM*		Smoked												
WIONSM#		R/W, R/B, B/A		Clear										
WXONSM#		Smoked												



Replace \* symbol in model number with letter indicating color desired: A=Amber, B=Blue, R=Red, C=White  
 Replace # in model number with interleaved color desired: D=Red/White, J=Red/Blue, M=Blue/Amber

## OPTIONS

Model	Description
IONK1B	Swivel mount bracket, Black, not for use with surface mount IONs
IONGROM	Grommet mount kit, not for use with surface mount IONs
IONPEDB	Black pedestal mount, not for use with surface mount IONs
IONBKT1	License plate bracket for 2 lights, not for use with surface mount IONs
IONBKT2	Rear hatch bracket, 2013-2019 Ford Police Interceptor Utility for 6 lights, not for use with surface mount IONs
IONBKT4	Rear hatch bracket, 2013-2019 Ford Police Interceptor Utility for 2 lights, not for use with surface mount IONs
IONBKT5	Universal mount, reversed, remove screws without removing light, not for use with surface mount IONs
IONBKT6	Rear hatch bracket, 2015-2020 Chevy Tahoe for 2 lights, not for use with surface mount IONs
IONBKT7	Grille mount bracket, 2015-2020 Chevy Tahoe for 2 lights, not for use with surface mount IONs

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# ION™ DUO™ & TRIO™ Series



## FEATURES

- SAE Class 1 Certified
- Interleaved technology and new Linear-LED® optics
- DUO models feature independent control of color one and color two
- TRIO models feature any combination of color one, color two, or color three
- Hard-coated lenses
- Available with SAE Class 1 Certified Smoked lenses

## MODELS

Model	Optics	Technology	Mount	Color	Lens	Housing	Amps	Patterns	Cable	Size
I2#	DUO™	Linear-LED	Universal	R/W, B/W, A/W,	Clear	Black	1/peak 0.40/avg per color	69	6" Pigtail	1" (25mm) H x 4" (101mm) W x 1.25" (32mm) D
XI2#				R/B, B/A	Smoked			Scan-Lock™		
I3#	R/B/W, R/B/A,			Clear	33					
XI3#	R/A/W, B/A/W			Smoked	Scan-Lock					
I2SM#	DUO		Surface, includes flange	R/W, B/W, A/W,	Clear			69		
XI2SM#	R/B, B/A			Smoked	Scan-Lock			1.688" (43mm) H x 6" (150mm) W x 1.125" (28mm) D		
I3SM#	TRIO	R/B/W, R/B/A,	Clear	33						
XI3SM#		R/A/W, B/A/W	Smoked	Scan-Lock						



Replace # in model number with interleaved color desired: D=Red/White, E=Blue/White, F=Amber/White, J=Red/Blue, K=Red/Amber, M=Blue/Amber  
For TRIO lightheads replace symbol # with dual letters indicating colors desired: JC=Red/Blue/White with White override, JA=Red/Blue/Amber with Amber override, KC=Red/Amber/White with White override, MC=Blue/Amber/White with White override

## OPTIONS

Model	Description
IONK1B	Swivel mount bracket, Black
IONGROM	Grommet mount kit
IONPEDB	Black pedestal mount
IONBKT1	License plate bracket for 2 lights
IONBKT2	Rear hatch bracket, 2013-2019 Ford Police Interceptor Utility for 6 lights
IONBKT4	Rear hatch bracket, 2013-2019 Ford Police Interceptor Utility for 2 lights
IONBKT5	Universal mount, reversed, remove screws without removing light
IONBKT6	Rear hatch bracket, 2015-2019 Chevy Tahoe for 2 lights
IONBKT7	Grille mount bracket, 2015-2019 Chevy Tahoe for 2 lights

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# ION™ V-Series™



## FEATURES

- SAE Class 1 Certified
- Available in 3-in-1 combination warning, alley/flood, and puddle light or in single color warning only models
- Single color models have combination 180° and TIR directional warning
- Includes steady-burn, alternating, and simultaneous patterns
- Black, White, or Chrome housing
- Hard-coated lenses
- Available with SAE Class 1 Certified Smoked lenses

## MODELS

Model	Optics	Technology	Mount	Colors	Lenses	Housing	Amps	Patterns	Cable	Size		
IONV3*	V-Series	Linear Super-LED®	Universal	A, B, R, W warning with W illumination	Clear	Black	Warning 0.76 Alley 0.31 Puddle 0.12	25 Scan-Lock*	6" Pigtail	1" (25mm) H x 2.188" (56mm) D x 4.063" (104mm) L		
XONV3*					Smoked	Black						
IONV3*W					Clear	White						
IONSV3*			Surface, includes flange		Clear	Black				1.688" (43mm) H x 2" (50mm) D x 5.938" (150mm) L		
XONSV3*											Smoked	Black
IONSV3*W											Clear	White
IONSV3*C											Clear	Chrome
XONV1*	V-Series with directional	Linear and TIR Super-LED	Universal	A, B, R, W	Smoked	Black	1.147	25 Scan-Lock*	6" Pigtail	1" (25mm) H x 2.188" (56mm) D x 4.063" (104mm) L		
IONV1*					Clear	Black						
IONV1*W					Clear	White						
IONSV1*			Surface, includes flange		Clear	Black				1.688" (43mm) H x 2" (50mm) D x 5.938" (150mm) L		
XONSV1*											Smoked	Black
IONSV1*W											Clear	White
IONSV1*C											Clear	Chrome



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

## OPTIONS

Model	Description
IONK1B	Swivel mount bracket, Black
IONGROM	Grommet mount kit
IONPEDB	Black pedestal mount
IONBKT1	License plate bracket for 2 lights
IONBKT2	Rear hatch bracket, 2013-2019 Ford Police Interceptor Utility for 6 lights
IONBKT4	Rear hatch bracket, 2013-2019 Ford Police Interceptor Utility for 2 lights
IONBKT5	Universal mount, reversed, remove screws without removing light
IONBKT6	Rear hatch bracket, 2015-2019 Chevy Tahoe for 2 lights
IONBKT7	Grille mount bracket, 2015-2019 Chevy Tahoe for 2 lights

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# LINV2™ V-Series™



## FEATURES

- SAE Class 1 Certified
- Available in 3-in-1 combination warning, alley/flood, and puddle light or in single color warning only models
- Single color models have combination 180° and TIR directional warning
- Includes steady-burn, alternating, and simultaneous patterns
- Black, White, or Chrome housing
- Hard-coated lenses
- Available with SAE Class 1 Certified Smoked lenses

## MODELS

Model	Optics	Technology	Mount	Color	Lens	VDC	Amps	Patterns	Cable	Size
LINV2*	V-Series	Super-LED*	Horizontal, surface	A, B, R, W	Clear	12	0.75 warning	25 Scan-Lock™	6" Pigtail	1.5" (40mm) H x 3.875 (98mm) W x 1.625" (42mm) D
LINV2*X					Smoked					
LINSV2*			Under surface mounting		Clear		0.12 puddle			1.125" (28mm) H x 2.875" (73mm) W x 2.813" (71mm) D
LINSV2*X					Smoked					

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

## OPTIONS

Model	Description
RFLANGEC	LINV2, Chrome plated flange kit
RFLANG2C	LINV2, Chrome plated flange for dual lightheads
RFLANG2B	LINV2, Black flange for dual lightheads
RGROMMET	LINV2, Grommet mount kit
RBKT1	LINV2, Mounting bracket for 1 lighthead
RBKT2	LINV2, Mounting bracket for 2 lightheads
RBKT4	LINV2, Swivel mounting bracket
RBKT6	LINV2, License plate bracket for 2 lightheads-horizontal
RBKT7	LINV2, License plate bracket for 2 lightheads-vertical
RBKT14	LINV2, Above rear taillight bracket, pair Chevy Silverado/GMC 1500, 2014-2019
RBKT16	LINV2, Trunk Mount Bracket, pair Ford Police Interceptor Sedan, 2013-2019
RBKT17	LINV2, Above rear taillight bracket, pair Ram, 2014-2018 & Ram 1500 Classic, 2019
RBKT18	LINV2, Above rear taillight bracket, pair Ford F-150, 2015-2019
RBKT19	LINV2, Below rear taillight bracket, pair Ford F-150, 2015-2019
RBKT20	LINV2, Grille Stud Mounting Bracket, Ford Interceptor Utility 2020,
LSVBKT13	LINSV2, Under-the-side view mirror mount, pair, Chevy Silverado 1500/2500, 2014-2019
LSVBKT34	LINSV2, Under-the-side view mirror mount, pair, Ford Police Interceptor Utility, 2013-2019
LSVBKT35	LINSV2, Under-the-side view mirror mount, pair, Dodge Charger, 2011-2020
LSVBKT38	LINSV2, Under-the-side view mirror mount, pair, Ford Police Interceptor Sedan, 2013-2019
LSVBKT42	LINSV2, Under-the-side view mirror mount, pair, Ram 1500, 2011-2018
LSVBKT44	LINSV2, Under-the-side view mirror mount, pair, Dodge Durango, 2013-2019
LSVBKT45	LINSV2, Under-the-side view mirror mount, pair, Chevy Tahoe and Suburban, 2019-2020
LSVBKT47	LINSV2, Under-the-side view mirror mount, pair, Ford F-150, 2019-2020
LSVBKT50	LINSV2, Under-the-side view mirror mount, pair, Ford Police Interceptor Utility, 2020

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# V23™, M2, & M4 Series



## FEATURES

- SAE Class 1 Certified
- Available with a patented Linear-LED® designed reflector assembly
- M4 2-in-1 combination warning and driving light available
- Hard-coated lenses
- Surface mount via two screws
- Lens and reflector are a sealed assembly
- M2 and M4 lighthead can synchronize to other Whelen sync products
- Built-in flasher models are synchronizable
- M4 models available in 24 Volt, contact factory

## MODELS

Model	Optics	Technology	Color	Lens	VDC	Flasher	Patterns	Amps	Size
V23*TPB	V-Series™ (Black flange)		A, B, R, W warning with W illumination	Clear			26 Scan-Lock™	Warning 0.76/peak, 0.30/avg Take-down 0.62 Perimeter 0.12	2.688" (68mm) H x 4.25" (109mm) W x 1.5" (38mm) D
V23*TPBX				Smoked					
V23*TPC	V-Series (Chrome flange)			Clear					
V23*TPCX				Smoked					
M2*	Directional		A, B, R, W	Color	12		25 Scan-Lock with steady-burn		
M2*C				Clear					
M2#	Wide-angle		R/W, A/W, R/B, R/A	Clear		Built-in	69 Scan-Lock	1/peak 0.45/avg	2.5" (64mm) H x 4" (102mm) W x 1" (25mm) D
M2W*				Color					
M2W*C		Super-LED®	A, B, R, W	Clear			26 Scan-Lock with steady-burn		
M2W#				Color					
M4*	Directional		R/W, R/B, R/A	Clear			69 Scan-Lock		
M4*C				Color					
M4#			A, B, R, W	Clear			125 Scan-Lock		
M4*S				Color					
M4*CS			R/W, A/W, R/B, R/A	Clear	12*	Requires flasher	64 Scan-Lock	1.5/peak 0.6/avg	3.375" (86mm) H x 5.5" (138mm) W x 1.375" (35mm) D
M4*DW*				Color					
M4DWJ			A, B, R, W	Clear		Built-in	50 Scan-Lock	Warning & driving 1.0/peak, 0.40/avg	
M4V2*				V-Series			A, B, R, W warning with W illumination	Clear	



Replace \* symbol in model number with letter indicating color desired: A=Amber, B=Blue, R=Red, C=White  
 Replace # in model number with interleaved color desired: D=Red/White, F=Amber/White, J=Red/Blue, K=Red/Amber

## OPTIONS

V23 Models	M2 Models	M4 Models	M4V2 Models	Description
-	M2FC	M4FC	M4FC	Flange, Chrome
-	M2FB	M4FB	M4FB	Flange, Black
-	-	M4BRUSH	-	Brush guard, Black
-	-	M4FC400	M4FC400	Flange, Chrome, adapts M Series to 400 Series style lighthead
V23PEDB	M2PEDB	-	-	Pedestal mount kit, Black
V23PEDC	M2PEDC	-	-	Pedestal mount kit, Chrome
-	M2GROM	-	-	Grommet mount kit
-	-	M4CT15B	-	Fog light mount for 2015-2020 Chevy Tahoe, pair, Black
-	-	M4FF15B	-	Fog light mount, stainless steel, for 2015-2019 Ford F-150, pair, Black
V23P20B	-	-	-	Angled surface mount, Black
V23P20C	-	-	-	Angled surface mount, Chrome

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# Mirror-Beam<sup>TM</sup> Series



## FEATURES

- SAE Class 1 Certified
- Custom textured Black vacuum formed ABS housings fit over existing mirror glamour caps
- Available with ION™ V-Series™ 3-in-1 combination warning, alley/flood, and puddle light
- Hard-coated lenses
- Includes multiple Scan-Lock™ flash patterns (with Phase 1 and Phase 2 for alternating or simultaneously flashing lights) and steady-burn plus synchronize feature
- Available in split LED colors
- Available with SAE Class 1 Certified Smoked lenses

## MODELS

Model	Series	Color	Lens	Amps	Cable	Vehicle	Model	Series	Color	Lens	Amps	Cable	Vehicle
MBCT15**	A, B, R, W		Clear	1.0/ peak 0.40/ avg per light-head	Two 15' cables with connectors	Chevy Tahoe and Suburban 1500, 2015-2020	VMCT15**			Clear	0.765 warning	Two 15' cables	Chevy Tahoe and Suburban 1500, 2015-2020
MXCT15**			Smoked				VXCT15**		Smoked				
MBCT15JJ	R/B		Clear	1.0/ peak 0.40/ avg per light-head	Two 15' cables with connectors	Dodge Charger, 2011-2020	VMDC11**			Clear	0.31 alley	Two 15' cables	Dodge Charger, 2011-2020
MXCT15JJ			Smoked				VXDC11**		Smoked				
MBDC11**	A, B, R, W		Clear	1.0/ peak 0.40/ avg per light-head	Two 15' cables with connectors	Dodge Durango, 2018-2020	VMDD19**	ION V-Series	A, B, R, W	Clear	0.12 puddle	Two 15' cables	Dodge Durango, 2018-2020
MXDC11**			Smoked				VXDD19**						
MBDC11JJ	R/B		Clear	1.0/ peak 0.40/ avg per light-head	Two 15' cables with connectors	Dodge Durango, 2018-2020	VMFT11**			Clear	0.12 puddle	Two 15' cables	Dodge Durango, 2018-2020
MXDC11JJ			Smoked				VXFT11**		Smoked				
MBDD19**	A, B, R, W		Clear	1.0/ peak 0.40/ avg per light-head	Two 15' cables with connectors	Police Interceptor Sedan, 2013-2019	VMFX11**			Clear	0.12 puddle	Two 15' cables	Police Interceptor Sedan, 2013-2019
MXDD19**			Smoked				VXFX11**		Smoked				
MBDD19JJ	R/B		Clear	1.0/ peak 0.40/ avg per light-head	Two 15' cables with connectors	Police Interceptor Sedan, 2013-2019	VMFX20**			Clear	0.12 puddle	Two 15' cables	Police Interceptor Sedan, 2013-2019
MXDD19JJ			Smoked				VXFX20**		Smoked				
MBFT11**	A, B, R, W		Clear	1.0/ peak 0.40/ avg per light-head	Two 15' cables with connectors	Police Interceptor Utility, 2013-2019	VMFX20**			Clear	0.12 puddle	Two 15' cables	Police Interceptor Utility, 2013-2019
MXFT11**			Smoked				VXFX20**		Smoked				
MBFT11JJ	R/B		Clear	1.0/ peak 0.40/ avg per light-head	Two 15' cables with connectors	Police Interceptor Utility, 2013-2019	VMFX20**			Clear	0.12 puddle	Two 15' cables	Police Interceptor Utility, 2013-2019
MXFT11JJ			Smoked				VXFX20**		Smoked				
MBFX11**	A, B, R, W		Clear	1.0/ peak 0.40/ avg per light-head	Two 15' cables with connectors	Police Interceptor Utility, 2013-2019	VMFX20**			Clear	0.12 puddle	Two 15' cables	Police Interceptor Utility, 2013-2019
MXFX11**			Smoked				VXFX20**		Smoked				
MBFX11JJ	R/B		Clear	1.0/ peak 0.40/ avg per light-head	Two 15' cables with connectors	Police Interceptor Utility, 2013-2019	VMFX20**			Clear	0.12 puddle	Two 15' cables	Police Interceptor Utility, 2013-2019
MXFX11JJ			Smoked				VXFX20**		Smoked				
MBFX20**	A, B, R, W		Clear	1.0/ peak 0.40/ avg per light-head	Two 15' cables with connectors	Police Interceptor Utility, 2020	VMFX20**			Clear	0.12 puddle	Two 15' cables	Police Interceptor Utility, 2020
MXFX20**			Smoked				VXFX20**		Smoked				
MBFX20JJ	R/B		Clear	1.0/ peak 0.40/ avg per light-head	Two 15' cables with connectors	Police Interceptor Utility, 2020	VMFX20**			Clear	0.12 puddle	Two 15' cables	Police Interceptor Utility, 2020
MXFX20JJ			Smoked				VXFX20**		Smoked				

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 Replace # in model number with interleaved color desired: J=Red/Blue

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# OS™ Series



## FEATURES

- Fully encapsulated for moisture, vibration, and corrosion resistance
- Hard-coated lenses
- Includes Chrome flange
- Clear outer lens, color LEDs
- 24 VDC models available, contact factory

## MODELS

Model	Technology	Mount	Color	VDC	Amps	Patterns	Flasher	Cable	Size
OS*00FCR	5mm LED	Surface, includes Chrome flange	A, R,	12	60mA/peak, 30mA/avg	Single flash	Built-in	6" Pigtail	1" (25mm) H x 1.5" (48mm) W x 0.5" (13mm) D
OS*00SCR			B, W		30mA	Steady	Requires flasher (Purchased separately)		

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

# 3" Round & 4" Round Flat Lens



## FEATURES

- Hard-coated lenses
- Fully encapsulated for moisture, vibration, and corrosion resistance

### 3" ROUND

- Ultra thin depth at only 7/16" (12mm)

### 4" ROUND FLAT LENS

- Supplied with adapter for PAR-36 (4.5") applications

## MODELS

Model	Series	Technology	Mount	Color	VDC	Amps in mA	Patterns	Cable	Size
3S*00F*R	3" Round	LED warning	Surface	A, B, R,	12	0.50/peak, 0.25/avg	1	6" Pigtail	3" (76mm) Dia.
3SC0CDCR		LED compartment		W		0.36	Steady		

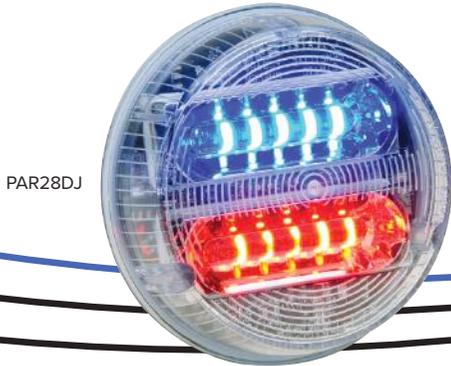
Replace \* symbol in model number with letter indicating color desired: A=Amber, B=Blue, R=Red, C=White

## OPTIONS

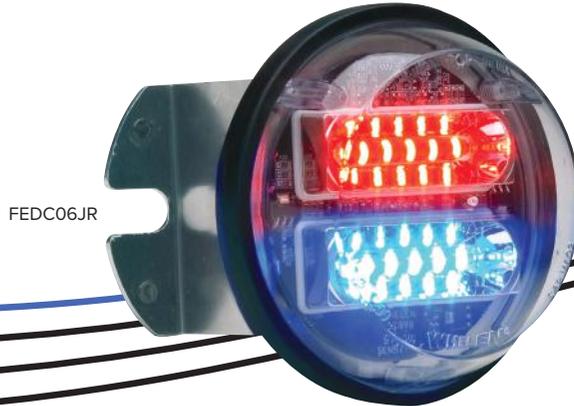
Model	Description
3FLANGEC	Chrome plated flange
3GROMMET	Rubber grommet kit

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# 3.5" Round & 4" Round Extended Lens



PAR28DJ



FEDC06JR

## FEATURES

- Hard-coated lenses
- Fully encapsulated for moisture, vibration, and corrosion resistance

### 3.5" ROUND

- Solid or split color warning light
- Interleaved LEDs for combination warning and driving light

### 4" ROUND EXTENDED LENS

- Linear6™ Super-LED® with synchronize feature
- Optional flasher simultaneously flashes or alternates multiple LED lighthead

## MODELS

Model	Lamp Type	Technology	Mount	Color	VDC	Amps	Patterns	Cable	Size	
PAR28*	3.5" Round	Linear6 Super-LED	Fog light	A, B, R, W	12	2/peak 0.9/avg	25 Scan-Lock™	6" Pigtail	3.5" (89mm) Dia.	
PAR28#				R/W, B/W, R/B		69 Scan-Lock				
PAR28D*	3.5" Round White			W with B or R		50 Scan-Lock				
PAR28DJ	Driving Light			W with B over R						
2E*00Z*R	4" Round Extended Lens	Linear6 Super-LED	Requires optional mounting	A, B, R, W	12	2/peak 0.9/avg	25 Scan-Lock	6" Pigtail	4.25" (108mm) Dia. x 2" Depth	
2E#00ZCR							R/W, B/W, R/B			69 Scan-Lock
FEDC06*R	4" Round Extended Lens with Fog Light Mount, Includes Mounting	Linear6 Super-LED	Dodge Durango, 2011-2019	A, B, R, W	12	2/peak 0.9/avg	25 Scan-Lock	6" Pigtail	4.25" (108mm) Dia. x 2" Depth	
FEDC06#R							R/W, B/W, R/B			69 Scan-Lock
FDFP11*R							Driving with Interleaved R or B			25 Scan-Lock
FDFP11JR							Driving with Interleaved B over R			69 Scan-Lock
FEFP11*R	4" Round	TIR6™ Super-LED™	Require optional mounting	A, B, R, W	12	0.8/peak, 0.32/avg	25 Scan-Lock™	6" Pigtail	4.25" (108mm) Dia. x 1.188" Depth	
FEFP11#R							R/W, B/W, R/B			69 Scan-Lock



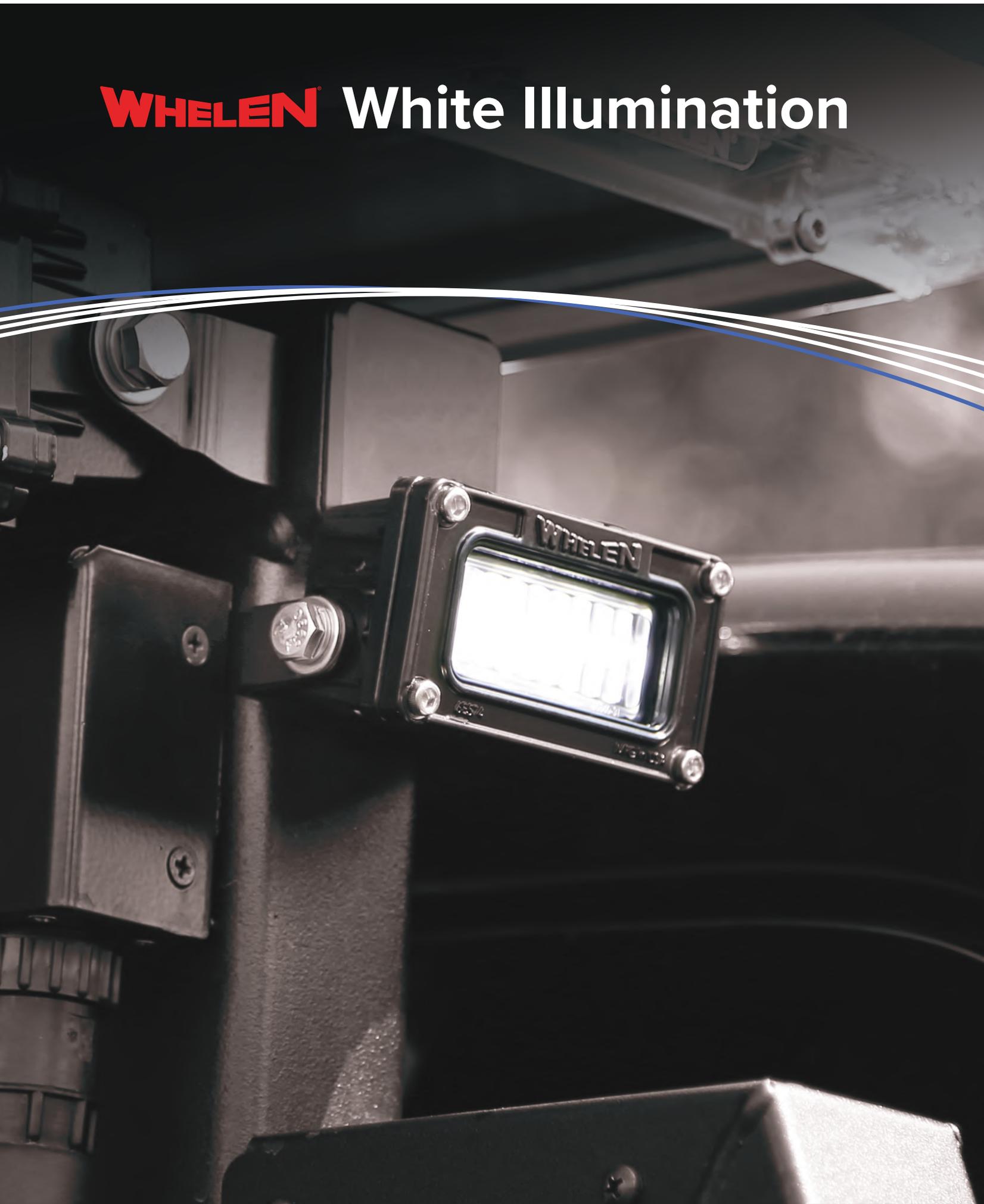
Replace \* symbol in model number with letter indicating color desired: A=Amber, B=Blue, R=Red, C=White  
 Replace # in model number with interleaved color desired: D=Red/White, E=Blue/White, J=Red/Blue,

## OPTIONS

Model	Description
2GROMMET	Rubber grommet kit - for 2F and 2E Series only
2FLANGEC	Chrome flange kit - for 2F and 2E Series only
2FLANGEB	Black flange kit - for 2F and 2E Series only

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# WHELEN® White Illumination



# Arges<sup>®</sup> Remote Spotlight



PROCLERA<sup>®</sup> ProFocus. WE CAN X.



ARGCH1



ARGES1  
Shown  
with Flat  
mount

## FEATURES

- The innovative mechanical design provides 360° of continuous rotation and a 180° tilt range
- Spotlight Models: 5° spot
- ProFocus<sup>™</sup> Models: 5° spot to 60° flood variable beam width
- Proclera<sup>®</sup> Silicone Optics
- Black die-cast aluminum housing
- CenCom Core<sup>™</sup> and WeCanX<sup>™</sup> compatible
- The drivetrain is electronically and mechanically protected
- Arges installs quickly and requires no A-pillar drilling or airbag interference.
- Includes two 18" power control harnesses and one 12" communication cable
- The all-new control head features a paddle and three push-buttons
- Program Arges with Whelen Command<sup>™</sup> or use alone with its paired control head
- The full Arges system passes CISPR 25 Class 3

## MODELS

Model	Description
ARGES1	Arges with 5° spotlight
ARGE2S	Arges with ProFocus optics
ARGFMKT	Arges kit, includes ARGES1 Spotlight, ARGCH1 Control head and ARGFM flat mount
ARGCH1	Control head for ARGES, bail bracket
ARGCH2	Control head for ARGES, swivel mount
ARGFM	Flat mount, universal
ARG49D	Chevy Silverado 1500, 2019-2021, driver side fender mount
ARG49BD	Chevy Silverado 2500/3500, 2020-2021, driver side fender mount
ARG45D	Chevy Tahoe, 2015 - 2020, driver side fender mount
ARG45P	Chevy Tahoe, 2015 - 2020, passenger side fender mount
ARG54D	Chevy Tahoe, 2021, driver side fender mount
ARG54P	Chevy Tahoe, 2021, passenger side fender mount
ARG35D	Dodge Charger, 2016-2021, driver side fender mount
ARG44D	Dodge Durango, 2015-2021, driver side fender mount
ARG42D	Ram 1500/2500/3500, 2014-2018 and Ram 1500 (Classic), 2019-2021, driver side fender mount
ARG53D	Ford Escape, 2020-2021, driver side fender mount
ARG34D	Ford Police Interceptor Utility, 2016-2019, driver side fender mount
ARG50D	Ford Police Interceptor Utility, 2020-2021, driver side fender mount
ARG50P	Ford Police Interceptor Utility, 2020-2021, passenger side fender moun
ARG47CD	Ford F-150, 2021, driver side fender mount
ARG47BD	Ford F-250/F-350/F-450/F-550 Super-Duty, 2019-2021, driver side fender mount
ARG47BP	Ford F-250/F-350/F-450/F-550 Super-Duty, 2019-2021, passenger side fender mount
ARG48D	Ford Expedition, 2019-2021, driver side fender mount
ARGLB1	Lightbar mounting bracket for Legacy <sup>®</sup> , Liberty <sup>™</sup> II, Justice <sup>®</sup> , and Freedom <sup>®</sup> IV series lightbars
ARGLB2	Lightbar mounting bracket for Cenator0174 series lightbars

**⚠ 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).

# PAR-46 Handheld Spot/Floodlight



## FEATURES

- 90# pull magnet mount with 8' coiled cord and cigar plug
- Built-in push-button On/Off switch
- Hard-coated lenses

## MODEL

Model	Lamp Type	Color	Diodes	VDC	Amps	Mount
P46HHS	2° Spotlight	W	18	12	2.3	Handheld, includes magnet



# PAR-46 Rubber Housing Spot/Floodlights



## FEATURES

- Rubber stud/swivel housing
- Available with or without lighthead
- DUO™ 8° spotlight and warning light features independent control of each segment of the lighthead with spotlight override
- Hard-coated lenses

## MODELS

Model	Lamp Type	Color	Diodes	VDC	Amps	Mount
P46SLCHG	2° Spotlight	W	9		2.3	
P46S3*H	DUO Color 8° Spotlight & Warning Light	W spotlight, R or B Warning	18 total, 12 White 6 color	12	Warning: 1/peak 0.40/avg, Spot: 1.4	Stud/swivel

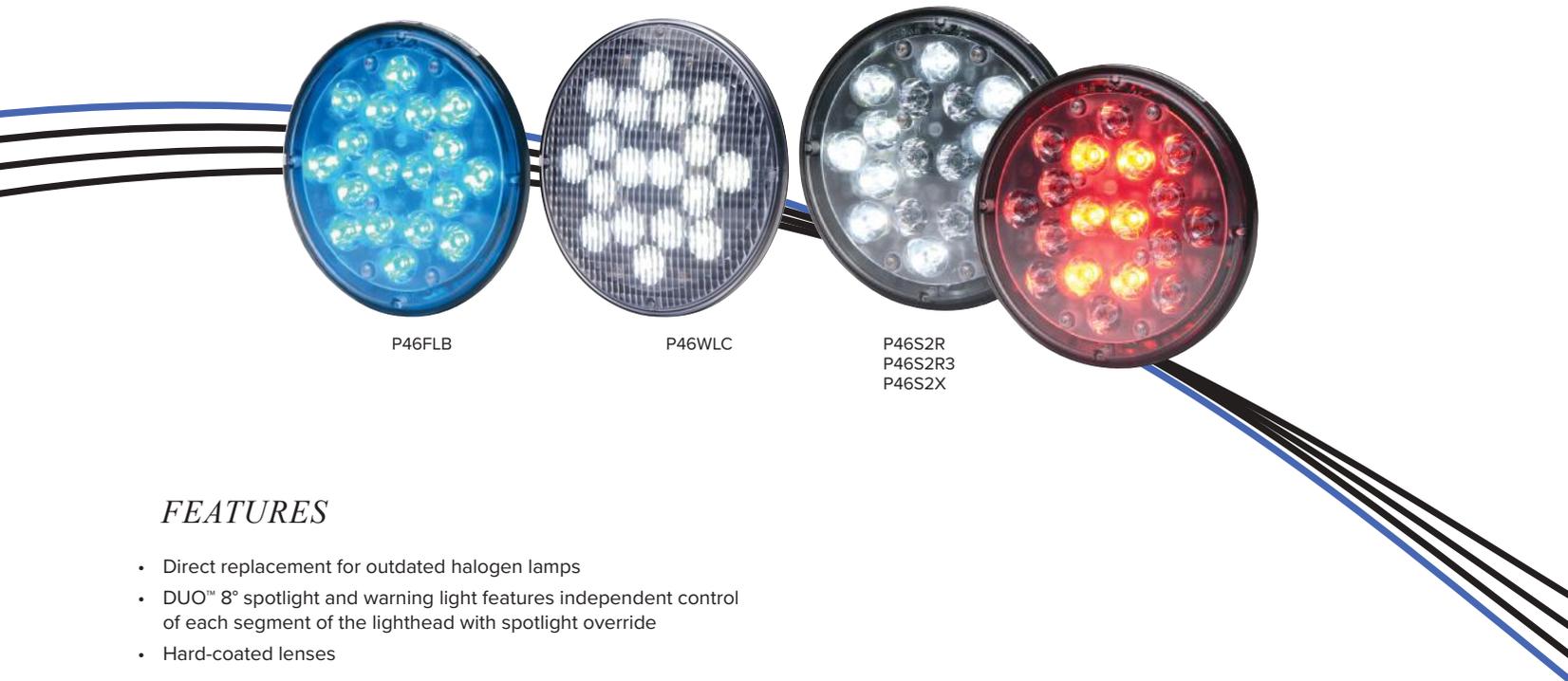


Replace \* symbol in model number with letter indicating color desired: B=Blue, R=Red



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# PAR-46 Replacement Lamps



P46FLB

P46WLC

P46S2R  
P46S2R3  
P46S2X

## FEATURES

- Direct replacement for outdated halogen lamps
- DUO™ 8° spotlight and warning light features independent control of each segment of the lighthouse with spotlight override
- Hard-coated lenses

## MODELS

Model	Lamp Type	Usage	Color	Lens	Diodes	VDC	Amps
P46SC	2° Spotlight (Replaces P46SLC or P46SLCX)	Direct replacement	W	Clear	9	12	2.3
P46SCX				Smoked			
P46FL*	8° Spotlight		A, B, R, W	Clear	18		1.9
P46FLCX			W	Smoked			
P46WL*	20° High x 60° Wide floodlight		A, B, R, W	Clear	6 color		Warning: 1/peak 0.40/avg, Spot: 1.4
P46WLCX			W	Smoked			
P46S2*	DUO Color 8° Spotlight & Warning Light		W spotlight, R or B Warning	Clear	6 color		
P46S2*3							
P46S2X		W spotlight, California steady R					



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

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# Pioneer Nano™

5YR 12 IP67



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NP3BW



NP6BB

## FEATURES

- 8° spotlight pattern comes standard. Includes additional 40° x 20° flood optic lens
- Optic lens changes easily via removable lens retainer
- Injection molded polycarbonate lenses are impact resistant and hard-coated
- 100% solid-state electronics are instant On/Off
- Correlated Color Temperature (CCT) of 5,700° kelvin simulates bright midday light
- Models emit zero EMC radiation, will not interfere with portable communication devices, and meets CISPR25 Class 5 levels

## MODELS

Model	Diodes	Mount	Housing	Volts	Amps	Watts	Lumens	Size
NP3BW	3	Bail/stud	White	12	1	13	1400	1.875" (48mm) H x 3.5" (89mm) W x 1.75" (44mm) D
NP3BB			Black					
NP6BW	6		White	12	1.5	19	2250	2.625" (67mm) H x 3.5" (89mm) W x 1.75" (44mm) D
NP6BB			Black					



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# Pioneer Micro™

5YR  $\geq 12$  IP67



Download Pioneer™ Designer for models and options [whelen.com/eng\\_apps](http://whelen.com/eng_apps)



MPBW



MPPBCS

## FEATURES

- 8° spotlight pattern comes standard. Includes three additional optic lenses for a light pattern choice of:
  - 90° x 20° wide flood
  - 40° x 20° standard flood
  - 40° x 8° narrow flood
- Optic lens changes easily via removable lens retainer
- Injection molded polycarbonate lenses are impact resistant and hard-coated
- 100% solid-state electronics are instant On/Off
- Correlated Color Temperature (CCT) of 5,700° kelvin simulates bright midday light
- Models emit zero EMC radiation, will not interfere with portable communication devices, and meets CISPR25 Class 5 levels

## MODELS

Model	Mount	Housing	Volts	Amps	Watts	Lumens	Size
MPBW	Bail/stud	White	12	3.5	45	5090	4.25" (108mm) H x 4.75" (121mm) W x 2.875" (73mm) D
MPBB		Black					
MPPW	White						
MPPWCS	White with Chrome cover & On/Off switch						
MPPB	Low profile pedestal/swivel	Black					8.688" (220mm) H x 5.063" (129mm) W x 3.25" (82mm) D
MPPBBS		Black with Black cover & On/Off switch					
MPPBCS		Black with Chrome cover & On/Off switch					

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# Pioneer SlimLine™

5YR 12 IP67



Download Pioneer™ Designer for models and options [whelen.com/eng\\_apps](http://whelen.com/eng_apps)



## FEATURES

- Available in single or dual models
- Single Lamp Models - 8° spotlight pattern comes standard. Includes additional 40° x 20° flood lens
- Dual Lamp Models - 8° spotlight pattern comes standard. Includes two additional optic lenses for a light pattern choice of:
  - Dual 40° x 20° flood
  - 8° spot and 40° x 20° flood
- Optic lens changes easily via removable lens retainer
- Injection molded polycarbonate lenses are impact resistant and hard-coated
- Hard-coated lenses
- Die-cast aluminum powder coated housing in Black or White
- 100% solid-state electronics are instant On/Off
- Correlated Color Temperature (CCT) of 5,700° kelvin simulates bright midday light
- Rated to last thousands of hours
- Models emit zero EMC radiation, will not interfere with portable communication devices and meets CISPR25 Class 5 levels
- Powder coated stainless steel bail bracket
- Includes 6' (183cm) cable

## MODELS

Model	Mount	Lamp	Housing	Volts	Amps	Watts	Lumens	Size
PSL1B	Bail/stud	Single	White	12	3	38	4500	3.25" (82mm) H x 6.875" (175mm) W x 2.125" (55mm) D
PSL1BB			Black					
PSL2B		Dual	White		6	76	9000	3.25" (82mm) H x 12.5" (317mm) W x 2.125" (55mm) D
PSL2BB			Black					
PSL1P	Low profile pedestal/swivel	Single	White		3	38	4500	5.625" (143mm) H x 6.875" (175mm) W x 2" (51mm) D
PSL1PB			Black					
PSL2P		Dual	White		6	76	9000	5.625" (143mm) H x 12.5" (317mm) W x 2" (51mm) D
PSL2PB			Black					

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# Pioneer LiFe™



The all-new Pioneer LiFe 28 combines a Pioneer SlimLine™ optic with the portability and flexibility of a grab and go light, designed to bring Whelen's advanced Pioneer technology where other lights can't go.

The Intelligent Inductive Charger™ with no exposed contacts provides easy, wireless charging. Lithium iron phosphate battery models are under 7.5 pounds, lighter than any other portable area light on the market today.

## FEATURES

- 8° spotlight pattern comes standard. Includes three additional optic lenses for a light pattern choice of:
  - 90° x 20° wide flood
  - 40° x 20° standard flood
  - 40° x 8° narrow flood
- Optic lens changes easily via removable lens retainer
- Injection molded polycarbonate lenses are impact resistant and hard-coated
- 100% solid-state electronics are instant On/Off
- Correlated Color Temperature (CCT) of 5,700° kelvin simulates bright midday light
- Models emit zero EMC radiation, will not interfere with portable communication devices, and meets CISPR25 Class 5 levels

### LIFEPO4 BATTERY FEATURES

- Built-in lightweight lithium iron phosphate battery utilizes LiFePO4 technology and features up to 2.5 hours of runtime at full intensity and up to 5 hours of runtime in Battery Saver Mode
- Battery is built into the unit, making it safe and protected
- Battery features short circuit and thermal protection
- Battery will disconnect when fully charged, preserving the lifecycle of the battery
- Battery will fully charge in 3-4 hours, maintaining optimal lifespan
- Battery is rated for more than 2000 charging cycles

### LEAD ACID BATTERY FEATURES

- Built-in lead acid battery features up to 2 hours of runtime at full intensity and up to 4 hours of runtime in Battery Saver Mode
- Battery is built into the unit, making it safe and protected

### INTELLIGENT INDUCTIVE CHARGER™ (IIC™)

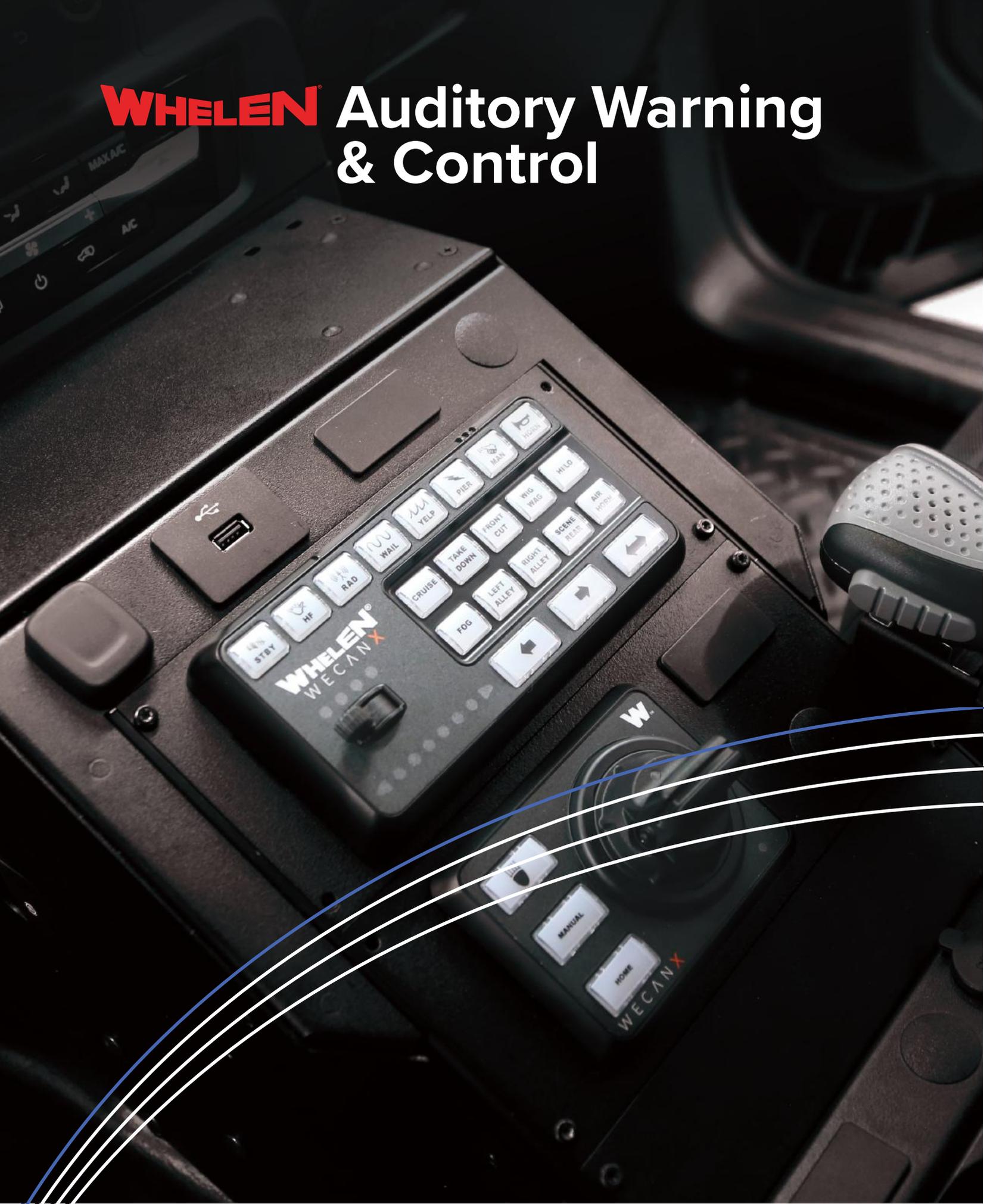
- Intelligent Inductive Charger (IIC) is wireless and eliminates the need for plugs and wires by utilizing inductive charging technology
- IIC is specifically designed to work with Pioneer LiFe lights only. If foreign objects are placed on the charger, it will disable itself until the object is removed
- No open contacts on the charger to compromise charging circuit
- IIC can be installed on a horizontal or vertical surface
- Various mounting options for Whelen poles and tripods will soon be available
- Chargers available in 12 VDC, 115-240 VAC
- 12 VDC charger is standard: 5 amps average
- AC charging is available with adapter:
  - 0.5 amps average at 120 VAC
  - 0.25 amps average at 240 VAC

## MODELS

Model	Description	Model	Description
LF28	12 VDC, rechargeable LiFePO <sub>4</sub> battery	LF35A	115-240 VAC, rechargeable, standard NEMA plug for U.S.
LA28	12 VDC, rechargeable Lead Acid battery	LF35BASE	Base only, no charging
LF28A	115-240 VAC, rechargeable LiFePO <sub>4</sub> battery, standard NEMA Plug for U.S.	LF35CB12	12 VDC, charging base only
LA28A	115-240 VAC, rechargeable Lead Acid battery, standard NEMA Plug for U.S.	LF35CBAC	115-240 VAC, charging base only, standard NEMA plug for U.S.
LF35	12 VDC, rechargeable	LF35TPM	Optional pole mount with LF35BASE, fits 1-1/8" pole

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# WHELEN<sup>®</sup> Auditory Warning & Control



# CenCom Core™

5YR 12 DIAG 100 200 WECAN X TITLE 13 CENCOM CORE WECAN X



## FEATURES

- Access every connector and fuse from the top of the box
- Supports remote firmware updates through USB-C with Whelen Command™ or over-the-air with The Whelen Cloud Platform™
- Supports up to 99 WeCanX™ devices - the most ever in a Whelen control system
- Support multiple Whelen peripherals of the same type on the same vehicle
- Meets all applicable SAE and California Title XIII requirements with various Whelen speakers
- Amplifier Dimensions: 2.35" (60mm) H x 10.07" (256mm) W x 7.63" (194mm) D

## WECANX FEATURES

- Supports any combination of 99 WeCanX devices, including support for multiple Whelen peripherals of the same type on the same vehicle
- All CANport™ signals are configurable as triggerable Events (Our original WeCan® only supports 8 CANport signals)

## WECANX CONTROL HEAD FEATURES

- Support flashing indicator LEDs and can also run system diagnostics
- The new passthrough WeCanX connection on the back of the control heads contributes to less wiring and an easier install

## MODELS

Model	Description
C399	Amplifier control module, flashing outputs, includes 3 WeCanX™ ports, and controls up to 99 devices/remote modules
CCTL5	Includes handheld combination microphone & controller, 5-position progressive light/siren control, 9 push-buttons & a microphone extension cable
CCTL6	Includes 3 section control head and 8 push-buttons, 4-position slide switch with a 7-position rotary knob, manual, airhorn plus 3 Traffic Advisor™ switches and microphone with extension cable
CCTL7	Includes 3 section control head and 21 push-buttons, 4-position slide switch, microphone with extension cable
CCP	Core Control Point for use with WeCanX Devices when NOT using CenCom Core
CEM4HC	WeCanX High current Remote Expansion Module, 4-15 amp output
C399K1	OBDII CANPort™ installation kit for C399 for 2016-2019 Ford Interceptor Utility, 2020 Ford Interceptor Utility used with factory option 61B, 2016-2020 Ford F-150, 2018-2019 Ford, F250/350/450/550, Expedition and Transit 150/250/350, 2017-2019 Ford Fusion (all models), 2020 Ford Fusion Hybrid and 2016-2017 Dodge Charger
C399K2	OBDII CANPort installation kit for C399 for Chevy, 2017-2020 Tahoe, 2017-2018 Silverado 1500, 2019-2020 Silverado 1500 (new body style), 2017-2019 Silverado 2500/3500, 2017-2020 Colorado, 2019 Impala, 2018-2020 Suburban
C399K3	OBDII CANPort installation kit for C399 for 2018-2020 Ram Classic 1500 and 2018-2020 Dodge Charger and Durango
C399K4	2020-2021 Ford Interceptor Utility Gateway Installation Kit for C399, for use WITHOUT Ford 61B Factory Option
C399K5	2020 Ford Expedition, Super Duty and Transit Gateway Installation Kit
C399K6	2021 Chevy Tahoe and Suburban installation kit for C399
C399K7	2021 Ford F-150 Installation Kit for C399
CEM8	8 Output, 4 input WeCanX expansion module
CEM16	16 Output, 4 input WeCanX expansion module
CTA	WeCanX Traffic Advisor remote module, Traffic Advisor purchased separately
CV2V	Vehicle To Vehicle module, includes internal antenna
CEXAMP	WeCanX external amplifier
CHOWLER	Siren amplifier with two speakers, optional vehicle specific mounting brackets

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# CanTrol® WC



**CANTROL™ WC**

Sold through Authorized CanTrol Distributors



## FEATURES

- Meets or exceeds all applicable SAE requirements when used with various Whelen speakers
- Program and control all the lighting, Traffic Advisors™ and siren functions in your vehicle
- WeCan® lightbar plugs directly into the amplifier/control module and is programmed by the Whelen Command™ Software
- Easy to configure using Windows application program via USB
- All outputs have diagnostic indicator
- Eight inputs; four for use on positive or ground switching, and four for use on positive switching only
- Three analog inputs for temperature sensor, ambient light, etc.
- Integrated Load Manager
- Integrated shut-down delay timer allows system to operate for up to four hours after vehicle is turned off
- All outputs are fully configurable
- All outputs can be conditionally activated, maintaining user situational awareness
- Output patterns can be synced to lightbar, Inner Edge®, etc.
- Operates one or two 100 watt siren speakers
- All outputs have both short circuit/over-current protection

## MODELS

Model	Description	Size
CANWCT2	Includes standard amplifier/control module with thirty-two, 2.5 amp outputs, three low current 1/4 amp outputs, eight programmable 10 amp positive/negative outputs, and control head of choice, Traffic Advisor module and three Diagnostix™ indicators	3.125" (79mm) H x 11.5" (289mm) W x 7.625" (194mm) D
CANWCT2A	Same as CANWCT2 except with 8 (positive or negative) input expansion module, total 12 inputs	
CANWCT3	Same as CANWCT2 except with CANport™	
CANCTL4	Includes 4 position slide switch, 6 push-buttons, standard microphone with extension cable	3.5" (89mm) H x 6.875" (174mm) W x 1.313" (33mm) D
CANCTL5	Includes handheld combination microphone and controller, 5-position progressive light and siren control, nine push-buttons and microphone extension cable (Not for use with CANWC1)	5.563" (141mm) H x 2.688" (68mm) W x 1.25" (30mm) D
CANCTL6	Includes 3 section control head and 8 push-buttons, 4-position slide switch with a 7-position rotary knob, manual airhorn plus 3 Traffic Advisor switches and microphone with extension cable	3.5" (89mm) H x 6.875" (174mm) W x 1.313" (33mm) D
CANCTL7	Includes 3 section control head and 21 push-buttons, 4-position slide switch, microphone with extension cable (Not for use with CANWC1)	3.5" (89mm) H x 6.875" (174mm) W x 1.313" (33mm) D
CCSRN4DA	WeCan External Amplifier, for use with CanTrol, for dual amplifier applications	-
CC5K1	Installation kit for CANWCT3 Series, for 2016-2019 Ford Interceptor Utility, Interceptor Sedan and F150, 2018-2019 Ford F-250/F-350/F-450/F-550, Expedition and Transit, 2017-2019 Ford Fusion and 2016-2019 Dodge Charger	-
CC5K2	Installation kit for CANWCT3 Series, for 2016-2020 Chevy Tahoe	-
CC5K3	Installation Kit for CCSRN5 Series for Dodge Charger, Durango, and Ram 1500	-
CANEM16	16 Output expansion module	-
CANLITEB	Light sensor in Black housing	-
CANLITEC	Light sensor in Chrome housing	-
CANTEMPB	Temperature sensor in Black housing	-
CANTEMPC	Temperature sensor in Chrome housing	-

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# CenCom Carbide™

5YR 12 DIAG 100 200 WeCan TITLE 13



CANCTL6



CANCTL7



CCSRN4DA



CCSRN4



CANEM16



CANCTL5

## FEATURES

- Meets or exceeds all applicable SAE requirements when used with various Whelen speakers
- Control warning lights, siren, and Traffic Advisor™ functions from a single keypad
- Easy program configuration via USB 2.0
- Fully Supports all WeCan® Series products
- Supports up to 2 of the following: front WeCan Inner Edge®, new rear WeCan Inner Edge, or optional remote 16 output modules
- Separate backlight control
- 18 fully protected and fused outputs
- Supports one or two 100 watt speakers
- LED indicator lights allow for simple troubleshooting of outputs and WeCan network

- Easily accessible fuses and connections
- Heavy-duty power and output connectors
- Supports optional WeCan dual siren amplifier option
- Completely configurable by the user, the three section control head is designed with tick marks, a raised surface, and a recessed center for ease of use

## SITUATION BASED INTEGRATION

- Carbide controls scene-specific lighting for safety and efficiency using any of the integrated 4 programmable inputs, 8 optional expansion inputs or CANport™, 18 programmable outputs, and optional expansion modules

## MODELS

Model	Description	Size
CCSRN4	Amplifier Control Module	
CCSRN4A	Same as CCSRN4, except with 8 (positive or negative) Input Expansion Module (will not override any pre-existing control head features), 12 total inputs	
CCSRNT4	Same as CCSRN4, except with Traffic Advisor module	3.125" (79mm) H x 11.5" (289mm) W x 7.625" (194mm) D
CCSRNT4A	Same as CCSRN4A, except with Traffic Advisor module	
CCSRN5	Amplifier Control Module with CANport OBDII Interface module	
CCSRNT5	Same as CCSRN5, except with Traffic Advisor module	
CANCTL5	Includes handheld combination microphone and controller, 5-position progressive light and siren control, nine push-buttons and microphone extension cable	5.563" (141mm) H x 2.688" (68mm) W x 1.25" (30mm) D
CANCTL6	Includes 3 section control head and 8 push-buttons, 4-position slide switch with a 7-position rotary knob, manual airhorn plus 3 Traffic Advisor switches and microphone with extension cable	3.5" (89mm) H x 6.875" (174mm) W x 1.313" (33mm) D
CANCTL7	Includes 3 section control head and 21 push-buttons, 4-position slide switch, microphone with extension cable (Not for use with CANWC1)	
CCSRN4DA	WeCan External Amplifier, for use with CanTrol®, for dual amplifier applications	-
CC5K1	Installation kit for CCSRN5 Series for 2016-2019 Ford Interceptor Utility, 2020 Ford Interceptor Utility with factory option 61B, 2016-2019 Ford Interceptor Sedan and F-150, 2018 Ford F-250/F-350/F-450/F-550, Expedition and Transit, 2017-2018 Ford Fusion and 2016-2018 Dodge Charger	-
CC5K2	Installation kit for CCSRN5 Series, for 2016-2020 Chevy Tahoe	-
CC5K3	Installation Kit for CCSRN5 Series for Dodge Charger, Durango, and Ram 1500	-
CC5K4	2020-2021 Ford Interceptor Utility Gateway Installation Kit for use WITHOUT Ford 61B factory option	-
CC5K5	Installation Kit for CCSRN5 Series for 2020 Ford Expedition, Super Duty and Transit	-
CC5K6	Installation Kit for CCSRN5 Series for 2021 Chevy Tahoe and Suburban	-
CC5K7	Installation Kit for CCSRN5 Series for 2021 Ford F-150	-
CANEM16	16 Output expansion module	-

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# HHS3200 & HHS4200



## FEATURES

- Meets or exceeds all applicable SAE requirements when used with various Whelen speakers
- Windows based programming software for full customization and configuration
- Three control heads available
- Operates one or two 100 watt speakers
- Eight 10 amp relay outputs, and one 15 amp relay output

### AMPLIFIER MODULE

- Durable Black molded housing
- Wail, Yelp, Piercer, Manual Siren, and Airhorn tones are preset standard

- 65 total tones, including mechanical tones and California Yelp
- Includes 20' interconnect cable
- External spade-type fuses
- Size: 7.46" (18.95cm) H x 8.49" (21.56cm) W x 2.35" (5.97cm) D

### HHS3200

- Compatible with low current or high current products, or any light with a built-in flasher

### HHS4200

- Includes WeCan® port that supports the Inner Edge® FST™ and RST™ Series, WeCan lightbars, and WeCan external amplifier

## MODELS

Model	Siren Type	Total Amps	Watts	Switches	Siren Tones	Size
HHS3200	Siren amplifier with handheld controller (CANCTL5)			5-Position progressive light/siren control, 9 push-buttons		Control head: 5.56" (141mm) H x 1.22" (31mm) D x 2.70" (69mm) W
HHS3206	Siren Amplifier with controller (CANCTL6)			8 Push-buttons, 4-position slide switch with a 7-position rotary knob		Control head: 3.66" (93mm) H x 1.40" (36mm) D x 6.93" (176mm) W
HHS3207	Siren amplifier with controller (CANCTL7)	Nine 10 amp relay outputs	1 or 2 100 Watt speakers	21 Push-buttons, 4-position slide switch	65	Control head: 3.66" (93mm) H x 1.42" (36mm) D x 6.93" (176mm) W
HHS4200	Same as HHS3200, except with WeCan port			5-Position progressive light/siren control, 9 push-buttons		Control head: 5.56" (141mm) H x 1.22" (31mm) D x 2.70" (69mm) W
HHS4206	Same as HHS3206, except with WeCan port			8 Push-buttons, 4-position slide switch with a 7-position rotary knob		Control head: 3.66" (93mm) H x 1.40" (36mm) D x 6.93" (176mm) W
HHS4207	Same as HHS3207, except with WeCan port			21 Push-buttons, 4-position slide switch		Control head: 3.66" (93mm) H x 1.42" (36mm) D x 6.93" (176mm) W

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# 295 Series Electronic Sirens



## FEATURES

- Meets or exceeds all applicable SAE requirements when used with various Whelen speakers
- Handheld control head models
- Combination On/Off and horn ring transfer switch
- Siren functions are backlit for ease of visibility
- Solid-state over/under voltage shut-down and output short circuit protection
- Input polarity protection
- Recess or bail bracket for under dash mounting.
- Adjustable bail bracket allows mounting in a variety of positions
- Locking quick disconnect plug
- 295SL models available in 24 Volt, contact factory

## MODELS

Model	Siren	Control	Switches	Current	SI Test	Siren Tones	Size
295SDA1	Full function programmable remote amplifier and control head with lights and siren control	2 Separate siren amplifiers in one housing, supports 100 or 200 watt speakers	3 Position slide switch, 8 programmable push-buttons, radio repeat button, and 6 siren control push-buttons	3-20 Amp outputs and 8-10 Amp outputs	-	20 Scan-Lock™	Amplifier: 2.25" (57mm) H x 8.625" (219mm) W x 7.125" (189mm) D Rectangular Control Head: 3.5" (89mm) H x 6.875" (219mm) W x 1.25" (32mm) D
295SSA1	Single tone handheld control head	1 Siren amplifier, supports 100 watt speakers	3 Position slide switch, 8 programmable push-buttons, radio repeat button, and 6 siren control push-buttons	-	-	Includes radio repeat and PA	Handheld Control head: 5.313" (135mm) H x 1.125" (28mm) D x 2.25" (57mm) W
295SDA2	Dual tone handheld control head	Supports two 100 watt speakers	Handheld microphone with 12 Programmable push-buttons, with 3 position progressive push-button switches, and 9 push-buttons	-	-	-	Handheld Control head: 5.313" (135mm) H x 1.125" (28mm) D x 2.25" (57mm) W
295SSA2	Single tone handheld control head	Supports 100 watt speaker	Handheld microphone with 12 Programmable push-buttons, with 3 position progressive push-button switches, and 9 push-buttons	-	-	-	Handheld Control head: 5.313" (135mm) H x 1.125" (28mm) D x 2.25" (57mm) W
295SLSA1	Self-contained	Selectable 100 or 200 watt speakers	7 Position tone rotary knob with volume control knob	-	-	17 Scan-Lock	2.5" (64mm) H x 6" (152mm) W x 7" (178mm) D
295SLSA6	Single self-contained unit with lights and siren control	9 Individually programmable switches, supports 100 or 200 watt speakers	7 Position tone rotary knob with volume control knob, 4 position slide switch for 3 primary warning and 5 push-button switches for secondary warning plus 1 momentary switch, manual tone and horn button	High current	Yes	17 Scan-Lock Includes radio repeat and PA	3.313" (84mm) H x 6" (152mm) W x 7" (178mm) D
295SL100	Economical self-contained unit	Supports 100 or 200 watt speakers	7 Position tone rotary knob with manual tone button	Low current	-	17 Scan-Lock Includes radio repeat and PA	2.5" (64mm) H x 6" (152mm) W x 5.5" (140mm) D
295SL101	Economical self-contained unit	Supports 100 or 200 watt speakers	7 Position tone rotary knob with manual tone button and volume control knob	Low current	-	17 Scan-Lock Includes radio repeat and PA	2.5" (64mm) H x 6" (152mm) W x 5.5" (140mm) D

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# Alpha™ and Beta™ Siren Amplifiers



## FEATURES

- Alpha Series sirens let you cycle through two or three siren tones using horn or auxiliary control. For use in applications not requiring radio repeat or PA
- Beta Series 100 watt siren with public address features radio repeat and hands-free operation
- 24 Volt models available, contact factory

## MODELS

Model	Series	Siren Type	Watts	VDC	Switches	Hands Free	Siren Tones	Microphone	Mount	Size
ALPHA12S	Alpha Series	Self-contained	100 watts		Power On/Off, 3 Position rocker switch and airhorn button		5 Scan-Lock™		Bail bracket	2.5" (64mm) H x 4.625" (117mm) D x 6" (152mm) W
ALPHASL		Remote	100 or 200 watts		Requires separate switches		15 Scan-Lock		Base mount flange	2.25" (54mm) H x 4.75" (120mm) D x 5" (127mm) W
BETA112R	Beta Series	Remote amplifier only	200 watts	12		Yes	16 Programmable Scan-Lock			2.313" (59mm) H x 5.25" (134mm) D x 5.688" (144mm) W
BETA2		Control head only Requires BETA112R (purchased separately)	100 watts		7 Position tone rotary knob, volume control knob, lights/siren toggle switch and manual/airhorn toggle switch		5 Includes radio repeat and PA	Yes	Surface or recess	1.75" (44mm) H x 2" (64mm) D x 4.25" (108mm) W

## OPTIONS

Model	Series	Description
ALPHA1	Alpha Series Switches	Single rocker On/Off switch for use with Hands-Free operation
ALPHA2		Single On/Off Hands-Free activation plus momentary for airhorn
ALPHA3		Tone 1/Off/Tone 2 switch operation plus momentary switch for airhorn
ALPHA4		Three switch operation, one On/Off, one Tone 1/Hands-Free/Tone 2 plus momentary for airhorn
ALPHA5		Three position toggle switch, controls 3 siren tones and other warning lights or device
BETA2BKT	Beta Series	Flange mounting bracket for BETA2
BETAMIC		Remote microphone for BETA112R (requires customer supplied switches)

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# Howler™ Series

2YR 12 100 200 WECAN X TITLE 13 W E C A N X



## FEATURES

- New WeCanX™ model available
- Howler system is an add-on to any 100/200 watt existing warning system
- Low frequency reverberating tones are able to penetrate high noise, traffic situations, and vehicles
- Includes siren amplifier, one or two speakers, and mounting bracket(s) on select models
- Works with most siren amplifiers

- Eight selectable tone durations

### SA315P SPEAKER

- Meets or exceeds all applicable SAE requirements when used with various Whelen amplifiers
- SA315P Series high performance multi-port, Projector Series speaker for bumper, concealed, or flange mount
- Installs to vehicle's cross member in minutes

## MODELS

Model	Series	Speakers	Output	VDC	Housing	Included Mounting	Size
HOWLER		2	200 Watts			-	
HWLUNI	Howler				Speaker: Black nylon composite	Universal mounting bracket	Speaker: 7-1/4" (184mm) Dia. x 8-3/8" (213mm) D
HWLDC15					Dodge Charger, 2015-2020		
HWLFT11					Ford Police Interceptor Sedan, 2013-2019		
HWLFE13					Ford Police Interceptor Utility 2013-2019 (with Fog Lights)		
HWLFE29					Ford Police Interceptor Utility 2020		
CHWLDC15	WeCanX Howler	1	100 Watts	12	Amplifier: Aluminum	2015-2020 Dodge Charger	Amplifier: 2.25" (57mm) H x 4.75" (121mm) D x 5" (127mm) W
CHWLFE29					2020 Ford Police Interceptor Utility		
CHWLUNI					Universal Mounting Bracket		
SA315P	Projector Series				Black nylon composite	-	6-1/2" (165mm) H x 2-7/8" (74mm) D x 6-7/16" (164mm) W
SA315U					-		

## OPTIONS

Model	Series	Mount Bracket Description	Model	Series	Mount Bracket Description
CHOWLER	CenCom Core™	Siren amplifier with two speakers	SAK63P		Chevy Tahoe, 2017-2019, PS
HWLRB2	Howler	Ford Expedition, 2008-2017	SAK64D		Ford Expedition SSV, 2018-2019, DS
HWLRB4		Ford E-Series, 2008-2019	SAK64P		Ford Expedition SSV, 2018-2019, PS
HWLRB11		Chevy Express G-Series, 2011-2018	SAK42		Dodge 4500, 2011-2018, PS
HWLRB13		Ford Utility Police Interceptor, 2013-2019	SAK43		Dodge 4500, 2011-2018, DS
HWLRB14		Dodge 4500, 2011-2018	SAK37		Dodge Charger, 2011-2020
HWLRB18		Chevy 2500/3500 Silverado and Suburban, 2012-2016	SAK54		Dodge Durango, 2013-2020
HWLRB19		Chevy Silverado 1500, 2014-2015	SAK48		Dodge Ram 1500, 2012-2018, DS
HWLRB20		Chevy Tahoe, 2015-2016	SAK47		Dodge Ram 1500, 2012-2018, PS
HWLRB21		Ford Police Interceptor, 2013-2019	SAK32		Ford E350/E450, 2008-2018, D&PS
HWLRB22		Ford F-250/F-350, 2011-2019	SAK23		Ford Expedition, 2007-2017
HWLRB23		Universal, pair	SAK44	SA315P	Ford Police Interceptor Utility, 2013-2019
HWLRB24		Chevy Silverado 1500, 2017-2018	SAK52		Ford Police Interceptor Utility, 2013-2019, DS
HWLRB25		Chevy Tahoe, 2017-2019	SAK51		Ford Police Interceptor Utility, 2013-2019, PS
HWLRB26		Chevy 2500/3500 Silverado, 2017-2018	SAK66D		Ford Police Interceptor Utility, 2020, DS
HWLRB27		Ford Expedition SSV, 2018-2019	SAK66P		Ford Police Interceptor Utility, 2020, PS
SAK1		Universal "L" bracket	SAK67D		Ford Police Interceptor Utility, 2020, DS frame mount
SAK9		Universal/swivel bail type bracket	SAK57		Ford F-150, 2015-2017
SAK25		Chevy Express Van, 2006-2019	SAK61D		Ford F-250/F-350, 2017-2019, DS
SAK62D		Chevy Silverado 1500, 2017-2018, DS	SAK61P		Ford F-250/F-350, 2017-2019, PS
SAK62P		Chevy Silverado 1500, 2017-2018, PS	SAK59		Ford Fusion, 2017-2018
SAK63D		Chevy Tahoe, 2017-2019, DS	SAK58	Ford Police Interceptor Sedan, 2013-2019	
			SAK60	Toyota Tacoma, 2016-2017	

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# WSSC Siren Speaker

2YR  12  30



WSSC30  
WSSPA30



## FEATURES

- Adjustable bail bracket mounting
- Backlit function windows for choice of 72 standard press-on legend tabs
- Handheld or mounted to the dash or console, the WCC9 replaces the standard ECM (Electronic Control Module) on WeCan® lightbars
- Two year warranty

## MODELS

Model	Series	Siren Type	Amps	Output	Switches	Siren Tones	Mount	Size
WSSC30	WSS	Combination remote siren/speaker	2	30	Requires customer supplied switches	65	Two way "L" bracket	4-5/16" (110mm) H x 4-5/8" (118mm) D x 5-1/2" (138mm) W
WSSPA30		Combination remote siren/speaker with standard microphone						

## OPTIONS

Model	Description
WSSC30HK	Harness kit for synchronization of two WSSC30s
WSSMSW3	Motorcycle switch, 3-functions for siren, airhorn and lighting (5 amp max) for WSSC30 and WSSPA30

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# Power Control Centers & Switches

2YR 



## FEATURES

- Combination 30 watt siren and speaker in a single unit
- Four modes of operation
- 10 Scan-Lock™ siren tones
- Hands-free operation for Wail and Yelp tones
- Airhorn switch produces airhorn as a main tone and an override tone
- Two way “L” mounting bracket
- Black plastic housing and water-resistant connectors provide vibration and moisture resistance
- Requires customer supplied switches

## MODELS

Model	Description	Switches	Output	LED “On” Indicator	VDC	Size
PCCS9RW	High current 9 position programmable switch box	One 3 position slide switch, 6 push-buttons, all individually programmable	Nine 20 amp outputs 80 amp total max			1-5/8” (40mm) H x 6-1/4” (159mm) D x 6” (152mm) L
PCCS9LW	Economical control center for use with Freedom®, & Liberty® II lightbars	One 3 position slide switch, 6 push-buttons, all individually programmable	Nine 250mA max per output	Yes	12	1-5/8” (40mm) H x 4” (102mm) D x 6” (152mm) L
WCC9	Electronic control for Freedom and Justice® WeCan® Lightbars	6 Push-buttons and 1 configurable 3 position slide switch (11 configurations)	Serial control to lightbar			2-1/2” (64mm) H x 7/8” (22mm) D x 4-3/16” (106mm) L
WCC92	Electronic control for Liberty II, Legacy®, Freedom IV, Cenator®, and WeCan Lightbars	6 Push-buttons and 1 configurable 3 position slide switch (11 configurations)	Serial control to lightbar			2-1/2” (64mm) H x 7/8” (22mm) D x 4-3/16” (106mm) L

## OPTIONS

Model	Description	Usage	Switches	Switch Type	Illuminated
1SWITCH		For 1 switch			
2SWITCH	“L” shaped aluminum switch bracket only, choose switches from choices below	For 2 switches	Optional	-	-
3SWITCH		For 3 switches			
4SWITCH		For 4 switches			
PC1	Switch only	On/Off	1 each	SPST	Yes
PC2		Momentary On			-
PC3		On/Off/On			SPDT
PC1SW	PC-1 switch, 15 AMP contacts	Switch Brackets	1	SPDT	Yes
PC2SW	PC-2 switch, 15 AMP contacts	Momentary On	2	SPDT	-
PC3SW	PC-3 switch, 15 AMP contacts	Switch Brackets	3	SPDT	Yes

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# Headlight/Grille, Taillight Flashers

2YR 5YR 12



## FEATURES

- Solid-state controlled relay output
- Molded polycarbonate housing
- Fully encapsulated for moisture, vibration, and corrosion resistance
- SmartLogic™ programmable flasher
- Software is configurable via USB port
- Outputs are internally protected and fused
- LED onboard diagnostic indicators
- Day and night mode truck setups
- SSFPOS16 is for the 2007-2020 Chevy Tahoe Police Package vehicles

## MODELS

Model	Usage	Switching	Construction	Outlets	Outlet Switching	VDC	Flash Patterns	Size	Warranty
SSFPOS	Headlight/ grille light	Positive	100% solid-state	2	1x1	12	7	0.875" (22mm) H x 2" (50mm) W x 2.75" (70mm) D	2 Year
UHF2150A		Positive or negative	Relay				4	1.5" (38mm) H x 4.25" (108mm) W x 3" (76mm) D	
SSFFP16	Headlight	Positive	100% solid-state	8	Programmable	12	8	0.875" (22mm) H x 2" (50mm) W x 2.75" (70mm) D	5 Year
SLFLASH	Auxiliary LED lightheads	-	-				64	3.375" (86mm) H x 6.375" (162mm) W x 3.375" (86mm) D	
UFM8	Halogen/LED Flasher	-	-	4	2x2x2x2	12	-	1.75"(44mm) H x 5.85 (149mm) W x 6.70" (170mm) D	5 Year
ULF44	LED Flasher	-	-				62	1.625" (41mm) H x 2.0" (51mm) W x 2.75" (70mm) D	

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# Lighting Certifications

**KKK 1822-F** - Federal Ambulance Specification

**CAC, Title 13, Article 22** (Red, Blue and Amber lightheads)

**NFPA 1901** - (2009 Edition) For NFPA application consult current NFPA Specification Lighting Packages Catalog

## Warning lamps and devices:

**SAE J595** - Flashing Warning Lamps for Authorized Emergency, Maintenance, and Service Vehicles (Jan 90)

**SAE J845** - 360° Warning Devices for Authorized Emergency, Maintenance, and Service Vehicles (May 97) Class 1, Class 2, Class 3 (Includes selective coverage)

**SAE J1318** - Gaseous Discharge Warning Lamp for Authorized Emergency, Maintenance, and Service Vehicles (May 98) Class 1, Class 2, Class 3

## Test procedures and materials:

**SAE J575** - Test Methods and Equipment for Lighting Devices & Components for use on Vehicles less than 80" (2032mm) in Overall width (Jun 92)

**SAE J2139** - Test Methods and Equipment for Lighting Devices & Components for use on Vehicles greater than 80" (2032mm) in Overall width (Jan 96)

**SAE J578** - Color Specifications (Jun 95)

## Signalling and marking lighting devices and systems:

**FMVSS108** - Federal Motor Vehicle Safety Standards

**SAE J586** - Stop Lamps for use on Motor Vehicles Less than 80" (2032mm) in Overall width (Sep 95)

**SAE J585** - Tail Lamps (Rear position Lamps) for Use on Motor Vehicles Less than 80" (2032mm) in Overall width (Dec 94)

**SAE J588** - Turn Signal Lamps for Use on Motor Vehicles Less than 80" (2032mm) in Overall width (Dec 94)

**SAE J592** - Clearance, Side Marker, Identification Lamps (Dec 94)

**SAE J593** - Back-up Lamps (Reversing Lamps) (Oct 95)

**SAE J593C** - Back-up Lamps (Reversing Lamps) (Feb 68)

**SAE J914** - Side Turn Signal Lamps for Vehicles less than 36' (12m) in Length (Jan 95)

**SAE J1432** - High Mounted Stop lamps for Use on Vehicles 80" (2032mm) or More in Overall Width (Sept 97)

**SAE J1889** - LED Lighting Devices (Jun 99)

**SAE J1957** - Center High Mounted Stop Lamp Standard for Vehicles Less than 80" (2032mm) in Overall Width (Jun 93)

**SAE J2039** - Side Turn Signals Lamps for Large Vehicles (Jun 94)

**SAE J2040** - Tail Lamps (Rear Position Lamps) for Use on Vehicles 80" (2032mm) or More in Overall Width (Apr 99)

**SAE J2042** - Clearance, Side marker, and Identification Lamps for Use on Motor Vehicles 80" (2032mm) or More in Overall Width (Jun 96)

**SAE J2261** - Stop Lamps and Front and Rear-Turn Signal Lamps for Use on Motor Vehicles 80" (2032mm) or More in Overall Width (Mar 96)

**SAE J1398** - Stop Lamps for Use on Motor Vehicles 80" (2032mm) or More in Overall Width

**SAE J1395** - Turn Lamps for Use on Motor Vehicles 80" (2032mm) or More in Overall Width

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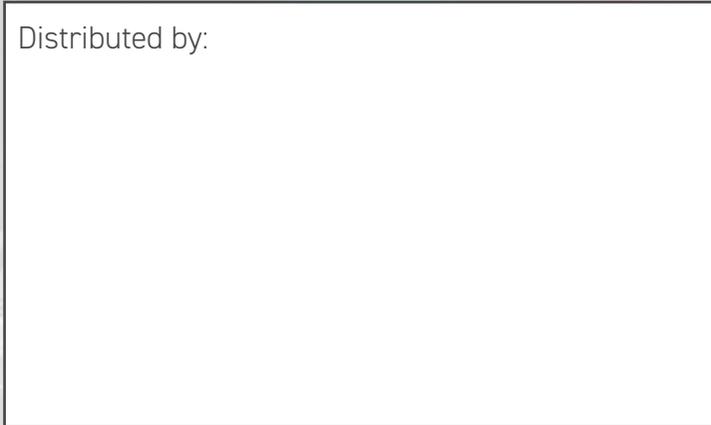
# Product Index

<b>O</b>		<b>F</b>		<b>O</b>	
OS™ Series Lighthoods	26	Flashers	46	Outer Edge® Lightbars	10
<b>2</b>		FlatLighter™ Series	14	<b>P</b>	
295 Series Electronic Sirens	41	Freedom® IV DYAD™ Series Lightbars	7	PAR-46 Handheld	30
<b>3</b>		Freedom IV DUO™ Lightbars	8	PAR-46 Rubber Housing	30
3" Round Lighthoods	26	<b>H</b>		PAR Replacement Lamps	31
3.5" Round Lighthoods	27	HHS3200 & 4200	40	Pioneer LiFe™	35
<b>4</b>		Howler™ Siren System	43	Pioneer Micro™	33
4" Round Lighthoods	26	<b>I</b>		Pioneer Nano™	32
4" Round Extended Lens	27	Inner Edge® FST™ Lightbars	9	Pioneer SlimLine™	34
<b>A</b>		Inner Edge RST™ Lightbars	9	Power Control Centers	45
Alpha™	42	ION™ & WION Series Lighthoods	20	<b>S</b>	
Arges® Remote Spotlight	29	ION™ DUO™ & TRIO™ Series	21	Auditory Warning, & Control	36
Avenger® II Series Lights	13	ION V-Series™ Lighthoods	22	SpitFire ION™ Series	14
<b>B</b>		ION Mini T-Series™ Lighthoods	19	Switches	45
Beta™	42	ION T-Series Lighthoods	19	<b>T</b>	
<b>C</b>		<b>L</b>		Tracer™ Series	11
CanTrol® WC	38	Legacy® Series Lightbars	6	<b>V</b>	
Cenator® Series Lightbar	5	Liberty™ II Series Lightbars	2	Vertex™ Series Lighthoods	17
CenCom Carbide™	39	Liberty II TRIO™ Series Lightbars	3-4	V23™ Series Lighthoods	24
CenCom Core™	37	Lightbars	1	<b>W</b>	
<b>D</b>		Lighthoods	16	White Illumination	28
Dash & Deck	12	LINV2™ V-Series Lighthoods	23	WSSC Speaker	44
Dominator™ & Dominator Plus™ Series	15	<b>M</b>			
		M2 & M4 Lighthoods	24		
		Micron™ Series Lighthoods	18		
		Mirror-Beam™ Series	25		

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