



Police

Professional Warning & Illumination

Table of Contents

Whelen History	i
Quick Reference.....	ii
Lightbars.....	1-10
Dash & Deck.....	11-13
Lightheades	14-30
Sirens & Speakers	31-39
Switches	40
Flashers	41
Pioneer LiFe™.....	42
Certifications	43
Index	44



Chester, Connecticut facility



Charlestown, New Hampshire facility

About Whelen

Whelen designs and manufactures reliable and powerful warning lights, white illumination lighting, sirens, controllers, and high-powered warning systems for Automotive,

Aviation, and Mass Notification industries worldwide. Every Whelen product is proudly designed and manufactured in America and is tested on-site to meet the toughest

industry certifications. On the road, in the air, and around the world, Whelen is trusted to be seen, trusted to be heard, trusted to perform.

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



WhelenEng    

Icon Legend



Tech Glossary

BroadBand Blue™

BroadBand Blue delivers a higher intensity, creates a larger optical image, and produces a more consistent color, all while being easier on the eyes - especially at night.

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

Lighthoods 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.

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.

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 lighthouse where each color fills half of the reflector

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.

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 complaint 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.

Lightbars

Cenator® Series



SOLO **DUO** **W E C A N X**

Download **WeCad™** for models and options
whelen.com/eng_apps



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
CV4****	SOLO CV, 42" (107cm), Single Color LIN6™
CV8****	SOLO CV, 48" (122cm), Single Color LIN6
CV2****	SOLO CV, 54" (137cm), Single Color LIN6
CX4****	SOLO CX, 42" (107cm), Single Color LIN6+™
CX8****	SOLO CX, 48" (122cm), Single Color LIN6+
CX2****	SOLO CX, 54" (137cm), Single Color LIN6+
CY4****	SOLO CY, 42" (107cm), Single Color LIN6
CY8****	SOLO CY, 48" (122cm), Single Color LIN6
CY2****	SOLO CY, 54" (137cm), Single Color LIN6
CP4****	SOLO CP, WeCan™ 42" (107cm), Single Color LIN6+
CP8****	SOLO CP, WeCan 48" (122cm), Single Color LIN6+
CP2****	SOLO CP, WeCan 54" (137cm), Single Color LIN6+
CB4#####	DUO CB, WeCan 42" (107cm), DUO Color LIN6
CB8#####	DUO CB, WeCan 48" (122cm), DUO Color LIN6
CB2#####	DUO CB, WeCan 54" (137cm), DUO Color LIN6

Models	Description
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
C321	TRIO1, 54" (137cm), 14 TRIO Linear Super-LED Inboards
C385	TRIO2, 48" (122cm), 12 TRIO Inboards
C325	TRIO2, 54" (137cm), 14 TRIO Inboards
TY4****	SOLO™, TY WeCanX 42" (107cm), Single Color LIN6
TY8****	SOLO, TY WeCanX 48" (122cm), Single Color LIN6
TY2****	SOLO, TY WeCanX 54" (137cm), Single Color LIN6
TB4#####	DUO, TB WeCanX 42" (107cm), Single Color LIN6
TB8#####	DUO, TB WeCanX 48" (122cm), Single Color LIN6
TB2#####	DUO, TB WeCanX 54" (137cm), Single Color LIN6
TP4****	SOLO, TP WeCanX 42" (107cm), Single Color LIN6+
TP8****	SOLO, TP WeCanX 48" (122cm), Single Color LIN6+
TP2****	SOLO, TP WeCanX 54" (137cm), Single Color LIN6+
TJ4#####	DUO, TJ WeCanX 42" (107cm), Single Color LIN6+
TJ8#####	DUO, TJ WeCanX 48" (122cm), Single Color LIN6+
TJ2#####	DUO, TJ WeCanX 54" (137cm), Single Color LIN6+



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

WeCad is a lightbar designer which allows you to design your own custom lightbar. Once finished, WeCad will generate a bill of materials from which you can place your order. The program is available at: www.whelen.com

Liberty™ II Series



SOLO **DUO+** **PROCLERA** **PROFOCUS™** **W E C A N X**

Download **WeCad™** for models and options
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
IX4****	SOLO 44" (110cm) Single Color, Red, Blue, Amber or White
IX8****	SOLO 48" (123cm) Single Color, Red, Blue, Amber or White
IX2****	SOLO 54" (136cm) Single Color, Red, Blue, Amber or White
IW4****	SOLO WeCan, 44" (110cm) Single Color, Red, Blue, Amber or White
IW8****	SOLO WeCan, 48" (123cm) Single Color, Red, Blue, Amber or White
IW2****	SOLO WeCan, 54" (136cm) Single Color, Red, Blue, Amber or White
BW4****	SOLO WeCanX, 44" (110cm) Single Color, Red, Blue, Amber or White
BW8****	SOLO WeCanX, 48" (123cm) Single Color, Red, Blue, Amber or White
BW2****	SOLO WeCanX, 54" (136cm) Single Color, Red, Blue, Amber or White
BH8****	SOLO WeCanX, 48" (123cm) Single Color, Red, Blue, Amber 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



Models	Description
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
BB4****	WeCanX 44" (110cm) Single Color, Red, Blue, Amber or White
BB8****	WeCanX 48" (123cm) Single Color, Red, Blue, Amber or White
BB2****	WeCanX 54" (136cm) 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
BJ8#####	WeCanX 48" (123cm) DUO+ Color, Red, Blue, Amber and/or White, with center section for 795H, strobe or center LED warning
BJ2****	WeCanX 54" (136cm) Single color, Red, Blue, Amber or White, with center section for 795H, strobe or center LED warning
BJ2#####	WeCanX 54" (136cm) DUO+ Color, Red, Blue, Amber and/or White, with center section for 795H, strobe or center LED warning
BB4#####	WeCanX 44" (110cm) DUO+ Color, Red, Blue, Amber and/or White
BB8#####	WeCanX 48" (123cm) DUO+ Color, Red, Blue, Amber and/or White
BB2#####	WeCanX 54" (136cm) DUO+ Color, Red, Blue, Amber and/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

WeCad is a lightbar designer which allows you to design your own custom lightbar. Once finished, WeCad will generate a bill of materials from which you can place your order. The program is available at: www.whelen.com

Liberty™ II TRIO™ Series



Download **WeCad™** for models and options
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)
- ▶ 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
- ▶ 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

Models

Models	Description
I341	TRIO™, 44" (110cm), Red/Blue with White illumination
I381	TRIO, 48" (123cm), Red/Blue with White illumination
I321	TRIO, 54" (136cm), Red/Blue with White illumination
I342	TRIO2, 44" (110cm), Red/Blue with White illumination, features an Amber Traffic Advisor™
I382	TRIO2, 48" (123cm), Red/Blue with White illumination, features an Amber Traffic Advisor
I322	TRIO2, 54" (136cm), Red/Blue with White illumination, features an Amber Traffic Advisor
I343	TRIO3, 44" (110cm), Red/Blue with White illumination and 4 green corners
I383	TRIO3, 48" (123cm), Red/Blue with White illumination and 4 green corners
I323	TRIO3, 54" (136cm), Red/Blue with White illumination and 4 green corners

Models	Description
I344	TRIO4, 44" (110cm), Red/Blue with White illumination, features an Amber Traffic Advisor and Green Command Corners
I384	TRIO4, 48" (123cm), Red/Blue with White illumination, features an Amber Traffic Advisor and Green Command Corners
I324	TRIO4, 54" (136cm), Red/Blue with White illumination, features an Amber Traffic Advisor and Green Command Corners
I345	TRIO5, 44" (110cm), Red/Blue with White illumination, Red/Blue/Amber rear inboards
I385	TRIO5, 48" (123cm), Red/Blue with White illumination, Red/Blue/Amber rear inboards
I325	TRIO5, 54" (136cm), Red/Blue with White illumination, Red/Blue/Amber rear inboards
I346	TRIO6, 44" (110cm), Red/Blue with White illumination front inboards, & 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
I326	TRIO6, 54" (136cm), Red/Blue with White illumination front inboards, & Red/Blue/Amber rear inboards, features Green Command corners

Lightbars



Models Continued

Models	Description
B341	WeCanX™ 44", TRI01, Red/Blue with White Illumination
B381	WeCanX 48", TRI01, Red/Blue with White Illumination
B321	WeCanX 54", TRI01, Red/Blue with White Illumination
B342	WeCanX 44", TRI02, Red/Blue with Traffic Advisor™ and White Illumination
B382	WeCanX 48", TRI02, Red/Blue with Traffic Advisor and White Illumination
B322	WeCanX 52", TRI02, Red/Blue with Traffic Advisor and White Illumination
B343	WeCanX 44", TRI03, Red and Blue Warning with Green Command Corners and White Illumination Inboard
B383	WeCanX 48", TRI03, Red and Blue Warning with Green Command Corners and White Illumination Inboard
B323	WeCanX 54", TRI03, Red and Blue Warning with Green Command Corners and White Illumination Inboard
B344	WeCanX 44", TRI04, Red and Blue Warning with Amber Traffic Advisor and Green Command Corners and White Illumination Front and Rear Inboard
B384	WeCanX 48", TRI04, Red and Blue Warning with Amber Traffic Advisor and Green Command Corners and White Illumination Front and Rear Inboard
B324	WeCanX 54", TRI04, Red and Blue Warning with Amber Traffic Advisor and Green Command Corners and White Illumination Front and Rear Inboard
B345	WeCanX 44", TRI05, Red/Blue with White Illumination to the Front and Rear Corners and Red/Blue/Amber Rear Inboards
B385	WeCanX 48", TRI05, Red/Blue with White Illumination to the Front and Rear Corners and Red/Blue/Amber Rear Inboards
B325	WeCanX 54", TRI05, Red/Blue with White Illumination to the Front and Rear Corners and Red/Blue/Amber Rear Inboards
B346	WeCanX 44", TRI06, Red/Blue with Green Corners and White Illumination Front Inboards and Red/Blue/Amber Rear Inboards
B386	WeCanX 48", TRI06, Red/Blue with Green Corners and White Illumination Front Inboards and Red/Blue/Amber Rear Inboards
B326	WeCanX 54", TRI06, Red/Blue with Green Corners and White Illumination Front Inboards and Red/Blue/Amber Rear Inboards



WeCad is a lightbar designer which allows you to design your own custom lightbar. Once finished, WeCad will generate a bill of materials from which you can place your order. The program is available at: www.whelen.com

Lightbars

Legacy® Series



SOLO **DUO+** W E C A N X

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+ lighthouse 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

Model	Description
GS4****	WeCan, SOLO, 43.25" (110cm), one color
GS8****	WeCan, SOLO, 48" (123cm), one color
GS2****	WeCan, SOLO, 453.75" (136cm), one color
ES4****	WeCanX, SOLO, 44" (112cm), one color
ES8****	WeCanX, SOLO, 48" (122cm), one color
ES2****	WeCanX, SOLO, 54" (137cm), one color

Model	Description
GB4****	WeCan, DUO+, 43.25" (110cm), one color
GB4#####	WeCan, DUO+, 43.25" (110cm), two color
GB8****	WeCan, DUO+, 48" (123cm), one color
GB8#####	WeCan, DUO+, 48" (123cm), two color
GB2****	WeCan, DUO+, 53.75" (136cm), one color
GB2#####	WeCan, DUO+, 53.75" (136cm), two color
EB4****	WeCanX, DUO+, 44" (112cm), one color
EB4#####	WeCanX, DUO+, 44" (112cm), two color
EB8****	WeCanX, DUO+, 48" (122cm), one color
EB8#####	WeCanX, DUO+, 48" (122cm), two color
EB2****	WeCanX, DUO+, 54" (137cm), one color
EB2#####	WeCanX, DUO+, 54" (137cm), two color



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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Lightbars

Freedom® IV DYAD™ Series



W E C A N X.

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Features

- ▶ **New** WeCanX™ models available
- ▶ **SAE Class 1 Certified**
- ▶ Linear Super-LED® technology
- ▶ WeCan® DYAD two level technology (single or two color) allows for individual control of each level of each lighthead
- ▶ Low Current DYAD two level technology (single color) allows for individual control of each lighthead 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

Model	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® IV DUO™ Series



SOLO **DUO** W E C A N X



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whelen.com/eng_apps



Features

- ▶ **New** WeCanX™ models available
- ▶ **SAE Class 1 Certified**
- ▶ Linear Super-LED® technology
- ▶ WeCan® 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

Model	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 # symbol in model number with letter indicating color desired: D = Red/Clear, E = Blue/Clear

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Inner Edge® FST™ Series



SOLO DUO TRIO PROCLERA W E C A N X

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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



WeCad™ is a lightbar designer which allows you to design your own custom lightbar. Once finished, WeCad will generate a bill of materials from which you can place your order. The program is available at: www.whelen.com

Inner Edge® RST™ Series



SOLO DUO TRIO W E C A N X

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Features

- ▶ **New** WeCanX models available
- ▶ **SAE Class 1 Certified**
- ▶ Mounts to the rear headliner of SUVs and pickup trucks
- ▶ Drop-in lighthouse tray is universal, allowing for easy serviceability
- ▶ Lighthouse 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



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Outer Edge® Series



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

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

Model	Description
RPLS44	Low Current, SOLO, Rear Facing, Dodge Durango, 2019-2020
RPWS44	WeCan, SOLO, Rear Facing, Dodge Durango, 2019-2020
RPWD44	WeCan, DUO, Rear Facing, Dodge Durango, 2019-2020
RPWT44	WeCan, TRIO, Rear Facing, Dodge Durango, 2019-2020
RPLS44	Low Current, SOLO, Rear Facing, Dodge Durango, 2019-2020
RPWS44	WeCan, SOLO, Rear Facing, Dodge Durango, 2019-2020
OEWS34	WeCan, SOLO, Rear Facing, Ford Police Interceptor Utility, 2013-2019
OEWD34	WeCan, DUO, Rear Facing, Ford Police Interceptor Utility, 2013-2019
OEWT34	WeCan, TRIO, Rear Facing, Ford Police Interceptor Utility, 2013-2019
RPLS34	Low Current, SOLO, Rear Pillar, Ford Police Interceptor Utility, 2013-2019
RPWS34	WeCan, SOLO, Rear Pillar, Ford Police Interceptor Utility, 2013-2019
RPWD34	WeCan, DUO, Rear Pillar, Ford Police Interceptor Utility, 2013-2019
RPWT34	WeCan, TRIO, Rear Pillar, Ford Police Interceptor Utility, 2013-2019

Model	Description
RPWT34	WeCan, TRIO, Rear Pillar, Ford Police Interceptor Utility, 2013-2019
RPLS50	Low Current, 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
RPWT50	WeCan, TRIO, Rear Facing, Ford Police Interceptor Utility, 2020
OEWS45	Low Current, SOLO, Rear Facing, Chevy Tahoe, 2016-2019
OEWS45	WeCan, SOLO, Rear Facing, Chevy Tahoe, 2016-2019
OEWD45	WeCan, DUO, Rear Facing, Chevy Tahoe, 2016-2019
OEWT45	WeCan, TRIO, Rear Facing, Chevy Tahoe, 2016-2019
RPLS45	Low Current, SOLO, Rear Pillar, Chevy Tahoe, 2016-2019
RPWS45	WeCan, SOLO, Rear Pillar, Chevy Tahoe, 2016-2019
RPWD45	WeCan, DUO, Rear Pillar, Chevy Tahoe, 2016-2019
RPWT45	TRIO, Rear Pillar, Chevy Tahoe, 2016-2019



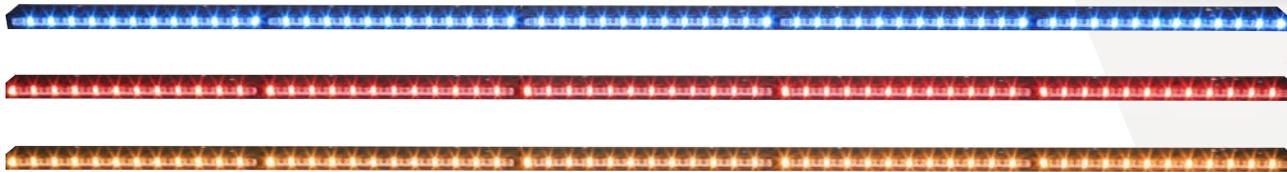
Replace * symbol in model number with letter indicating color desired: A=Amber, B=Blue, R=Red, C=White
 For DUO lighthoods replace symbol # with letter indicating colors desired: D=Red/White, E=Blue/White, F=Amber/White, J=Red/Blue, K=Red/Amber, M=Blue/Amber
 For TRIO lighthoods replace symbol # with 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

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For Smoked Lenses, add an "X" to the end of the lighthood model number (Example OEIONRX)

Lightbars

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 features two additional inputs for Traffic-Advisor functions
- ▶ 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 lighthood								
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 lighthood								
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 lighthood								
TCRLRBA	Red/Blue/Amber TRIO lighthood								



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

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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	N/A	12	26	Single unit: 1.75" (44mm) H x 6.5" (165mm) W x 4.5" (144mm) D Dual unit: 1.75" (44mm) H x 10.25" (260mm) W x 4.5" (144mm) D Height with adjustable mounting bracket for all models: 1.6" (41mm) to 1.9" (74mm)			
AVC21**		Dual	Amber, Blue, Red, or White			55				
AVC12#	DUO	Single	Red/White, Blue/White, Amber/White, Blue/Red, or Blue/Amber			26				
AVC22DD		Dual	Two Red/White			55				
AVC22DE			One Red/White, One Blue/White							
AVC22EE			Two Blue/White							
AVC22FF			Two Amber/White							
AVC22JJ			Two Red/Blue							
AVC22MM			Two Blue/Amber							
AVC13RBC			TRIO					Single	Red/Blue/White	White
AVC13RBA	Red/Blue/Amber								Amber	
AVC13RAC	Red/Amber/White	White								
AVC13BAC	Blue/Amber/White	White								
AVC23RBC	Dual	Red/Blue/White		White	55					
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, K=Red/Amber, M=Blue/Amber

WeCad™ is a lightbar designer which allows you to design your own custom lightbar. Once finished, WeCad will generate a bill of materials from which you can place your order. The program is available at: www.whelen.com

SpitFire™ 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	



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



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

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							

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



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

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#										
VHB609*	Omni-directional		Surface	R, B, A, W	Clear					
VHB609#										

Options

Model	Description
VTXFC	Chrome plated flange
VTXFB	Black flange



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

Lightheads

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		Stud	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										
MCRNT#X		W/R, B/R, A/R										

Options

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



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

Lighthead

ION™ T-Series™ & Mini T-Series



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

Options

Model	Description
TIONFC	Chrome plated flange
TIONBKT1	"L" mounting bracket
TIONBKT2	License plate bracket for 2 lights
TIONBKT3	"L" mounting bracket for 2 lights
TIONBKT4	Universal over/under "L" mounting bracket for 2 lights

Model	Description
TIONMFC	Mini T-Series Chrome flange
TIONMBK1	Mini T-Series license plate bracket, vertical mount
TIONMBK2	Mini T-Series license plate bracket, horizontal mount
TIONMLB	Universal adjustable license plate bracket for two ION Mini T-Series lighthead, vertical mount
TIONMLC	Universal swivel license plate bracket for two ION Mini T-Series lighthead, horizontal mount
TIONMGRM	Grommet mount kit



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=Amber/Blue

Lighthead

ION™ & WION Series



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		Super-LED®	Surface, includes flange	A,B, R, W					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			Clear										
WXONSM*		Smoked													
WIONSM#	R/W, R/B, B/A	Clear													
WXONSM#	Smoked														

Options

Model	Description
IONK1B	Swivel mount bracket, Black
IONGROM	Grommet mount kit
IONPEDB	Black pedestal mount
IONBKT1	License plate bracket for 2 lights

Model	Description
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



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=Amber/Blue

Lightheads

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, R/B, B/A	Clear	Black	1/peak 0.40/avg per color	69 Scan-Lock™	6" Pigtail	1" (25mm) H x 4" (101mm) W x 1.25" (32mm) D
XI2#					Smoked			33 Scan-Lock		
I3#	TRIO™			R/B/W, R/B/A, R/A/W, B/A/W	Clear					
XI3#					Smoked					
I2SM#	DUO		Surface, includes flange	R/W, B/W, A/W, R/B, B/A	Clear			33 Scan-Lock		
XI2SM#					Smoked					
I3SM#	TRIO			R/B/W, R/B/A, R/A/W, B/A/W	Clear					33 Scan-Lock
XI3SM#					Smoked					

Options

Model	Description
IONK1B	Swivel mount bracket, Black
IONGROM	Grommet mount kit
IONPEDB	Black pedestal mount
IONBKT1	License plate bracket for 2 lights

Model	Description
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



For DUO lightheads replace symbol # with letter indicating colors desired: D=Red/White, E=Blue/White, F=Amber/White, J=Red/Blue, 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

Lightheads

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			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				

Options

Model	Description
IONK1B	Swivel mount bracket, Black
IONGROM	Grommet mount kit
IONPEDB	Pedestal mount, Black
IONBKT1	License plate bracket for 2 lights

Model	Description
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



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

Lightheads

LINV2™ V-Series™



Features

- ▶ SAE Class 1 Certified
- ▶ Combination 180° warning and puddle light
- ▶ Includes Black flange
- ▶ Fully encapsulated for moisture, vibration, and corrosion resistance
- ▶ Hard-coated lenses
- ▶ Includes steady-burn, alternating, and simultaneous patterns
- ▶ 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			
LINSV2*X					Smoked					

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
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



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

Lightheads

V23, M2, & M4 Series



V23RTPB



M2B



M4R

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 lightheads 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)	Super-LED®	A, B, R, W warning with W illumination	Clear	12	Built-in	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	Clear													
V23*TPCX	Smoked													
M2*	Directional		A, B, R, W	Color			12	Built-in	25 Scan-Lock with steady-burn	1/peak 0.45/avg	2.5" (64mm) H x 4" (102mm) W x 1" (25mm) D			
M2*C				Clear										
M2#				Clear										
M2W*	Wide-angle			A, B, R, W					Color	12	Built-in	26 Scan-Lock with steady-burn	1.5/peak 0.6/avg	3.375" (86mm) H x 5.5" (138mm) W x 1.375" (35mm) D
M2W*C									Clear					
M2W#									Clear					
M4*	Directional		A, B, R, W	Color			12*	Requires flasher (Purchased separately)	-	-	-			
M4*C				Clear										
M4#		Clear												
M4*S		Clear												
M4*CS		Clear												
M4DW*		Clear												
M4DWJ	Clear													
M4V2*	V-Series	A, B, R, W warning with W illumination	Clear	12	Built-in	50 Scan-Lock	Warning & driving 1.0/peak, 0.40/avg	3.375" (86mm) H x 5.5" (138mm) W x 1.875" (47mm) D						
						25 Scan-Lock	Warning 1.0/peak 0.40/avg Perimeter 0.77							

* For 24 Volt, contact factory

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 lightheads
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



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

Mirror-Beam™ 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
- ▶ Optional color lenses are available for customer installation
- ▶ Available with SAE Class 1 Certified Smoked lenses

Models

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



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

Lightheads

0S™ 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
0S*00FCR	5mm LED	Surface, includes Chrome flange	A, R, B, W	12	60mA/peak, 30mA/avg	Single flash	Built-in	6" Pigtail	1" (25mm) H x 1.5" (48mm) W x 0.5" (13mm) D
0S*00SCR					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



3SB00FBR

3" Round



2FR00ZRR

4" Round Flat Lens

Features

- ▶ Hard-coated lenses
- ▶ Fully encapsulated for moisture, vibration, and corrosion resistance
- ▶ Ultra thin depth at only 7/16" (12mm)
- ▶ 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		
2F*00Z*R	4" Round	TIR6™ Super-LED*	Require optional mounting	A, B, R, W		0.8/peak, 0.32/avg	25 Scan-Lock™		4.25" (108mm) Dia. x 1.188" Depth

Options

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



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

Lighthoods

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 lighthoods

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 Driving Light			W with B or R		1/peak 0.4/avg	50 Scan-Lock		
PAR28DJ				W with B over R					
2E*00Z*R	4" Round Extended Lens		Requires optional mounting	A, B, R, W		25 Scan-Lock			
2E#00ZCR				R/W, B/W, R/B		69 Scan-Lock			
FEDC06*R	4" Round Extended Lens with Fog Light Mount, Includes Mounting		Dodge Durango, 2011-2019	A, B, R, W		25 Scan-Lock			
FEDC06#R				R/W, B/W, R/B		69 Scan-Lock			
FDFP11*R			Ford Expedition, 2011-2018	Driving with Interleaved R or B		25 Scan-Lock			
FDFP11JR				Driving with Interleaved B over R		69 Scan-Lock			
FEFP11*R				A, B, R, W		25 Scan-Lock			
FEFP11#R				R/W, B/W, R/B		69 Scan-Lock			

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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Arges™ Remote Spotlight



PROCLERA
SILICONE OPTICS

PROFOCUS™

W E C A N X



ARGES1



ARGCH1

Features

- ▶ The innovative mechanical design provides 360° of continuous rotation and a 180° tilt range
- ▶ Spotlight Models: 5° spot
- ▶ ProFocus™ Models: 5° spot to 60° flood variable beam width
- ▶ Proclera® Silicone Optics
- ▶ Black die-cast aluminum housing
- ▶ CenCom Core™ and WeCanX™ 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™ 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
ARGES2	Arges with ProFocus optics
ARGCH1	Control head, bail mount
ARGCH2	Control head, swivel mount
ARG49D	2019 Chevy Silverado 1500, driver side fender mounting
ARG45BD	2017-2019 Chevy Silverado 2500/3500, driver side fender mounting
ARG45D	2015-2019 Chevy Tahoe, driver side fender mounting
ARG35D	2016-2019 Dodge Charger, driver side fender mounting
ARG44D	2015-2019 Dodge Durango, driver side fender mounting
ARG34D	2016-2019 Ford Police Interceptor Utility, driver side fender mounting
ARG50D	2020 Ford Police Interceptor Utility, driver side fender mounting
ARG50P	2020 Ford Police Interceptor Utility, passenger side fender mounting
ARG47D	2019 Ford F-150, driver side fender mounting
ARG47BD	2019 Ford F-250/F-350/F-450 Super-Duty, driver side fender mounting
ARG47BP	2020 Ford F-250/F-350/F-450 Super-Duty, passenger side fender mounting
ARGFM	Flat mount

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



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

PAR-46 Replacement Lamps

5YR 



P46SLC



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			
P46WLCX			W	Smoked			
P46S2*	DUO Color 8° Spotlight & Warning Light		W spotlight, R or B Warning	Clear	18 total, 12 White 6 color		Warning: 1/peak 0.40/avg, Spot: 1.4
P46S2*3							
P46S2X		W spotlight, California steady R					



Replace * symbol in model number with letter indicating color desired:
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Lightheads

Pioneer Nano™

5YR  IP67

Download **Pioneer™ Designer** for models and options whelen.com/eng_apps



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	
NP6BB			Black					



Pioneer Micro™

5YR **12** **IP67**

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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	Low profile pedestal/swivel	White					
MPPWCS		White with Chrome cover & On/Off switch					
MPPB		Black					
MPPBBS		Black with Black cover & On/Off switch					
MPPBCS		Black with Chrome cover & On/Off switch					

Option

Model	Option Description
NPBKT2	2015-2019 Ford F-150 pillar/hood mount bracket for Micro bail/stud or Nano bail mount

Lighthead

Pioneer SlimLine™

5YR ≤ 12 ≤ 24 IP67

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PSL2BB



PSL1P

Features

- ▶ Available in single or dual models
- ▶ Available in 12 or 24 VDC
- ▶ 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					

CenCom Core™ Remote Light and Siren Control System

5YR

DIAG

100

200

WE CAN X

CENCOM
CORE™

POWERED BY WE CAN X.



CEXAMP



C399



CHOWLER



CCTL6



CCTL7



CEM16

CenCom Core 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
- ▶ Processes over 65,000 virtual inputs

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

Sirens & Speakers

Models

Model	Description	Size
C399	Amplifier control module, flashing outputs, includes 3 WeCanX™ ports, and controls up to 99 devices/remote modules, control heads purchased separately	2.35" (60mm) H x 10.07" (256mm) W x 7.63" (194mm) D
CCTL5	Includes hand held combination microphone and controller, 5-position progressive light/siren control, 9 push-buttons and 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	-
C399K1	OBDDII 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	OBDDII 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	OBDDII CANPort installation kit for C399 for 2018-2020 Ram Classic 1500 and 2018-2020 Dodge Charger and Durango	-
C399K4	2020 Ford Interceptor Utility Gateway installation kit for use without Ford 61B factory option	-
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	-
CEXAMP	WeCanX external amplifier	-
CHOWLER	Siren amplifier with two speakers, optional vehicle specific mounting brackets, no charge when purchased with Howler system	-

CanTrol® WC Light and Siren Integration System



CANWCT2



CANCTL5



CANCTL4



CANCTL7



CANCTL6

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

Sold through Authorized CanTrol Distributors

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
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	5.563" (141mm) H x 2.688" (68mm) W x 1.25" (30mm) 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)	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 CCSR5 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	-

CenCom Carbide™ Remote Light and Siren Control System



CANCTL6



CCSRN4



CCSRN4DA



CANCTL7



CANCTL5



CANEM16

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	3.125" (79mm) H x 11.5" (289mm) W x 7.625" (194mm) D
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	
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	5.563" (141mm) H x 2.688" (68mm) W x 1.25" (30mm) D
CANCTL5	Includes handheld combination microphone and controller, 5-position progressive light and siren control, nine push-buttons and microphone extension cable	
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	
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 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	-
CANEM16	16 Output expansion module	-

HHS3200 & HHS4200



CANCTL5



CANCTL6



CANCTL7



HHS3200

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

3200

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

4200

- ▶ 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	VDC	Switches	Siren Tones	Size
HHS3200	Siren amplifier with handheld controller (CANCTL5)	Nine 10 amp relay outputs	1 or 2 100 Watt speakers		5-Position progressive light/siren control, 9 push-buttons	65	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)				21 Push-buttons, 4-position slide switch		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

Sirens & Speakers

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™ Includes radio repeat and PA	Amplifier: 2.25" (57mm) H x 8.625" (219mm) W x 7.125" (189mm) D
295SSA1		1 Siren amplifier, supports 100 watt speakers	3 Position slide switch, 8 programmable push-buttons, radio repeat button, and 6 siren control push-buttons				Rectangular Control Head: 3.5" (89mm) H x 6.875" (219mm) W x 1.25" (32mm) D
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					
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	-	19 Scan-Lock Includes radio repeat and PA	2.5" (64mm) H x 6" (152mm) W x 5.5" (140mm) D
295SL101			7 Position tone rotary knob with manual tone button and volume control knob				

Option

Model	Description
WPKM1	Park kill connection modules, 30 amp for 295SL100 and 295SL101

Sirens & Speakers

Alpha™ and Beta™ Siren Amplifiers



WHELEN
MANUFACTURED IN U.S.A.
200 WATT

SPECIFICATIONS:
 VOLTAGE ——— 12.8 VDC
 CURRENT ——— 18 AMPS
 POWER ——— 200 WATT
 IMPEDANCE ——— 5.5 OHMS
 VOLTAGE ——— 12.8 VDC
 CURRENT ——— 125 mA (TY



BETA2



ALPHA12S



ALPHASL



BETA112R

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	12	Power On/Off, 3 Position rocker switch and airhorn button	Yes	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		7 Position tone rotary knob, volume control knob, lights/siren toggle switch and manual/airhorn toggle switch		16 Programmable Scan-Lock		Base mount flange	2.313" (59mm) H x 5.25" (134mm) D x 5.688" (144mm) W
BETA2		Control head only Requires BETA112R (purchased separately)	100 watts		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)

Sirens & Speakers

Howler™ Series



WE CAN 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
- ▶ Amplifier: 2.25" (57mm) H x 4.75" (121mm) D x 5" (127mm) W
- ▶ SA315P Series high performance multi-port, Projector Series speaker
- ▶ For bumper, concealed, or flange mount
- ▶ Installs to vehicle's cross member in minutes

SA315 Speaker

- ▶ Meets or exceeds all applicable SAE requirements when used with various Whelen amplifiers

Models

Model	Series	Speaker Type	Speakers	Output	VDC	Housing	Included Mounting	Size
HOWLER	Howler	Low frequency reverberating add-on to existing warning system with 8 selectable tone durations	2	200 Watts	12	Speaker: Black nylon composite Amplifier: Aluminum	-	Speaker: 7-1/4" (184mm) Dia. x 8-3/8" (213mm) D
HWLUNI							Universal mounting bracket	
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	
SA315P	Projector™ Series	High performance multi-port				Black nylon composite	-	6-1/2" (165mm) H x 2-7/8" (74mm) D x 6-7/16" (164mm) W

Options

Model	Series	Mount Bracket Description	
CHOWLER	CenCom Core™	Siren amplifier with two speakers, optional vehicle specific mounting brackets,	
HWLRB2	Howler	Ford Expedition, 2008-2017	
HWLRB4		Ford E-Series, 2008-2019	
HWLRB11		Chevy Express G-Series, 2011-2018	
HWLRB13		Ford Utility Police Interceptor, 2013-2019	
HWLRB14		Dodge 4500, 2011-2018	
HWLRB18		Chevy 2500/3500 Silverado and Suburban, 2012-2016	
HWLRB19		Chevy Silverado 1500, 2014-2015	
HWLRB20		Chevy Tahoe, 2015-2016	
HWLRB21		Ford Police Interceptor, 2013-2019	
HWLRB22		Ford F-250/F-350, 2011-2019	
HWLRB23		Universal, pair	
HWLRB24		Chevy Silverado 1500, 2017-2018	
HWLRB25		Chevy Tahoe, 2017-2019	
HWLRB26		Chevy 2500/3500 Silverado, 2017-2018	
HWLRB27		Ford Expedition SSV, 2018-2019	
SAK1		SA315P	Universal "L" bracket
SAK9			Universal/swivel bail type bracket
SAK25	Chevy Express Van, 2006-2019		
SAK62D	Chevy Silverado 1500, 2017-2018, DS		
SAK62P	Chevy Silverado 1500, 2017-2018, PS		
SAK63D	Chevy Tahoe, 2017-2019, DS		
SAK63P	Chevy Tahoe, 2017-2019, PS		

Model	Series	Mount Bracket Description
SAK64D	SA315P	Ford Expedition SSV, 2018-2019, DS
SAK64P		Ford Expedition SSV, 2018-2019, PS
SAK42		Dodge 4500, 2011-2018, PS
SAK43		Dodge 4500, 2011-2018, DS
SAK37		Dodge Charger, 2011-2020
SAK54		Dodge Durango, 2013-2020
SAK48		Dodge Ram 1500, 2012-2018, DS
SAK47		Dodge Ram 1500, 2012-2018, PS
SAK32		Ford E350/E450, 2008-2018, D&PS
SAK23		Ford Expedition, 2007-2017
SAK44		Ford Police Interceptor Utility, 2013-2019
SAK52		Ford Police Interceptor Utility, 2013-2019, DS
SAK51		Ford Police Interceptor Utility, 2013-2019, PS
SAK66D		Ford Police Interceptor Utility, 2020, DS
SAK66P		Ford Police Interceptor Utility, 2020, PS
SAK67D		Ford Police Interceptor Utility, 2020, DS frame mount
SAK57		Ford F-150, 2015-2017
SAK61D		Ford F-250/F-350, 2017-2019, DS
SAK61P		Ford F-250/F-350, 2017-2019, PS
SAK59		Ford Fusion, 2017-2018
SAK58		Ford Police Interceptor Sedan, 2013-2019
SAK60	Toyota Tacoma, 2016-2017	

WSSC Siren Speaker



WSSC30
WSSPA30

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	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

Power Control Centers & Switches

2YR  12



PCCS9LW



PCCS9RW



WCC9 / WCC92

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	Type and Usage	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	Yes	12	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		Nine 250mA max per output			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					

Options

Model	Type	Usage	Switches	Switch Type	Illuminated
1SWITCH	"L" shaped aluminum switch bracket only, choose switches from choices below	For 1 switch	Optional	-	-
2SWITCH		For 2 switches			
3SWITCH		For 3 switches			
4SWITCH		For 4 switches			
PC1	Switch only with 15 amp contact	On/Off	1 each	SPST	Yes
PC2		Momentary On		SPDT	-
PC3		On/Off/On		SPDT	Yes

Headlight/Grille, Taillight Flashers



SLFLASH



UHF2150A



SSFPOS16

SSFP0S

SSFFP16

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
- ▶ 8 Inputs: 5 activating inputs, 3 non-activating for low power, photocell and brake/tail/turn cutoff
- ▶ Default flash pattern
- ▶ LED onboard diagnostic indicators
- ▶ Day and night mode truck setups
- ▶ SSFPOS16 is for the 2007-2019 Chevy Tahoe Police Package vehicles
- ▶ SSFFP16 Headlight flasher for the 2016-2019 Ford Police Interceptor Utility, plug and play (requires Ford option 60A, pre-wire option)

Police Equipment Interface Modules

Modules provide conditioned signals to and from the Police Equipment Interface Module and the specified vehicle, facilitating the installation of Whelen Hands-Free products

PEIMFI13

- ▶ For the 2013-2019 Ford Police Interceptor Sedan or 2013-2019 Utility
- ▶ Steering Wheel Auxiliary Switch Interfacing will convert the Ford auxiliary switch signals from ground to positive 12 VDC, simplifying installation with Whelen CenCom Sapphire™ or CanTrol® WC. Changing these signals allows the end user or installer to forgo using external relays when integrating CenCom™ and CanTrol Vehicle Speed Sense feature

Models

Model	Usage	Switching	Output	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	
SSFPOS16	Headlight/taillight	Positive	100% solid-state				7	0.875" (22mm) H x 2" (50mm) W x 2.75" (70mm) D	
SSFFP16							Headlight	8	
SLFLASH	Auxiliary LED lightheads	-	-	8	Programmable	12	64	3.375" (86mm) H x 6.375" (162mm) W x 3.375" (86mm) D	5 Year
UFM8	Halogen/LED Flasher	-	-				-	1.75"(44mm) H x 5.85 (149mm) W x 6.70" (170mm) D	
ULF44	LED Flasher	-	-				4	-	62

Pioneer LiFe™ 28



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

- ▶ Pioneer SlimLine optic is optimized for portable applications in order to control and focus light to work areas
- ▶ Includes two optic lenses:
 - Floodlight lens
 - 8° TIR spotlight lens
- ▶ Correlated Color Temperature (CCT) of 5,700° kelvin simulates bright midday light
- ▶ Hard-coated lenses minimize environmental damages
- ▶ 100% solid-state electronics
- ▶ Adjustable ratcheting mechanism allows for a 180° range of uninterrupted light
- ▶ Well balanced top handle is designed to be over the center of mass
- ▶ Attach a sling or carabiner to the light for easy transportation
- ▶ No EMC radiation, the portable area light will not interfere with portable communication devices and meets CISPR25 Class 5 levels
- ▶ 2,800 usable lumens
- ▶ Black impact resistant glass reinforced nylon housing
- ▶ New low-profile handle is designed to accommodate tight mounting locations
- ▶ Dimensions 6.32" (16.1cm) H x 9.17" (23.29cm) W x 9.26" (23.52cm) D
- ▶ Weight:
 - 7.5lbs (3.4kg)-LiFePO4
 - 10.5lbs (4.8kg)-Lead Acid

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™) Features

- ▶ 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
LF28	12 VDC, rechargeable LiFePO ₄ battery
LA28	12 VDC, rechargeable Lead Acid battery
LF28A	115-2400 VAC, rechargeable LiFePO ₄ battery, standard NEMA Plug for U.S.
LA28A	115-2400 VAC, rechargeable Lead Acid battery, standard NEMA Plug for U.S.

Lighting Certifications

KKK 1822-F - Federal Ambulance Specification

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

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)

Signalling and Marking Lighting Devices and Systems

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 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

Product Index

0	0S™ Series Lightheads	23
2	295 Series Sirens	36
3	3" Round Lightheads	23
	3.5" Round Lightheads	24
4	4" Round Lightheads	23
	4" Round Extended Lightheads	24
A	Alpha™ Siren Amplifiers	37
	Arges™ Remote Spotlight	25
	Avenger™ II Series Lights	11
B	Beta™ Siren Amplifiers	37
C	CanTrol® WC Integration System	33
	CenCom Carbide™ Control System	34
	CenCom CORE™ Control System	31-32
	Cenator™ Series Lightbar	1
	Certifications	43
D	Dominator™ & Dominator Plus™ Series	13
F	Flashers	41
	FlatLighter™ Series Lights	12
	Freedom® IV DUO™ Series Lightbars	7
	Freedom IV DYAD™ Series Lightbars	6
H	HHS3200 & 4200 Handheld Siren Amplifier	35
	Howler™ Siren System	38
I	Inner Edge® FST™ Lightbars	8
	Inner Edge RST™ Lightbars	8
	ION™ T-Series™ and Mini T-Series Lightheads	16
	ION & WION Series	17
	ION DUO & TRIO™ Series	18
	ION V-Series™ Lightheads	19
L	Legacy® Series Lightbars	5
	Liberty™ II Series Lightbars	2
	Liberty II TRIO Series Lightbars	3-4
	LINV2™ V-Series Lightheads	20
M	M2 & M4 Series Lightheads	21
	Micron™ Series Lightheads	15
	Mirror-Beam™ Series	22
O	Outer Edge® Lightbars	9

P	PAR-46 Handheld Spot/Floodlights	26
	PAR-46 Rubber Housing Spot/Floodlights	26
	PAR-46 Replacement Lamps	27
	Pioneer LiFe™	42
	Pioneer Micro™	29
	Pioneer Nano™	28
	Pioneer SlimLine™	30
	Police Interface Modules	41
	Power Control Centers	40
S	SA315 Siren Speaker	38
	SpitFire™ Series	12
T	Tracer™ Light Array	10
V	Vertex™ Series Lightheads	14
	V23 Series Lightheads	21
W	WSSC Siren/Speaker Combination	39



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12957J - 01/24/20