# WHELEN®

# 2015 Police

## Professional Warning & Illumination

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## Professional Warning & Illumination

**All Whelen lenses & domes are hard-coated to minimize environmental damage from sand, sun, salt, and road chemicals**

## Table Of Contents

WHELEN®

## History of Whelen Engineering Company, Inc.

### 1952-1978
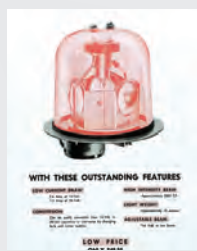
**1952** George W. Whelen invents the first rotating aircraft "anti-collision" beacon in his garage in Deep River, Connecticut.

**1956** The Rota-Beam™, a rotating magnetic mounted automotive beacon is developed for use by Police, Public Works and Fire departments.

**1963** Whelen becomes the first in the industry to utilize strobe light technology.

**1968** Whelen moves from the garage workshop on Kirtland Street to a facility on Winter Avenue in Deep River.

**1975** Whelen releases it's first fully enclosed lightbar, the 6000 Series.

**1978** The 8000 Series, a strobe enclosed crossbar, is released.

### 1983-1998

**1983** Whelen introduces the low profile Edge 9000®, the first fully enclosed lightbar with an aluminum I-Beam construction.

**1984** Whelen moves from Deep River, Connecticut to its current Corporate Headquarters in Chester, Connecticut.

**1987** A second manufacturing plant is added in Charlestown, New Hampshire.

**1988** Transformer winding is introduced, using automated winding machines in order to increase part supply.

The tool and die machine shop begins as a servicing shop for parts before they are run in molding. Today, 90% of all molding tools are made in-house from raw steel.

**1991** The New Hampshire plant expands to house plastic injection molding equipment, which manufactures all plastic parts, from optical grade polycarbonate to thermally conductive composites.

**1998** FastTrax™, a lightbar designed to fit the contours of the Pontiac Grand Prix pace car, is released for the 50th anniversary of NASCAR®.

### 2000-2008

**2000** Whelen introduces the Liberty™, the first all LED lightbar.

**2003** Whelen implements surface mount technology, in which electric components are deposited on PCB utilizing robotic nozzles. All testing and programming of PCB is done in a continuous automated line.

**2004** Whelen develops the Pioneer™ all LED floodlight for Fire Truck and Ambulance applications.

**2005** Whelen becomes the entitlement sponsor of the NASCAR® Whelen Modified Tour and the NASCAR Whelen Southern Modified Tour. Whelen also begins sponsorship as the Official Warning Lights of NASCAR.

**2007** Sheet metal fabrication is implemented, utilizing lasers to create brackets and a wide variety of metal components used in almost every Whelen product. A 5 axis laser is used to cut complex metal parts that do not come in a flat sheet.

Whelen becomes the entitlement sponsor of the NASCAR Whelen All American Series.

**2008** Powder coating technology is implemented, which uses an automated line including washing, drying, applying powder, and oven baking.

### 2011-2015

**2011** The production machine shop opens, housing 26 machines, 5 axis mills, lathes with live tooling, and screw machines. Parts made from raw housing or machined casting go into many finished products.

Hard coating technology develops, which utilizes an automated line where UV, abrasion, and chemical resistant coating is applied to all plastic lensing.

**2012** Vacuum metalizing technology develops. Within a sealed chamber, all reflectors are coated with a thin layer of pure vaporized aluminum. Bringing this process in-house yields a 10% increase in light output due to improved surface quality and purity.

**2012** Silicone molding is implemented. Still a liquid injected molding process, silicone allows for use of parts that need to be flexible and water resistant. This material is often utilized to make a watertight seal in an assembly.

**2013** The next generation Rota-Beam is released.

Whelen becomes the entitlement sponsor of the NASCAR Whelen Euro Series.

**2014** Whelen opens the only environmentally friendly printed circuit board manufacturing facility in North America with zero hazardous emissions.

Whelen enters the Off-Road market with the Continuum™ Super-LED lightbar.
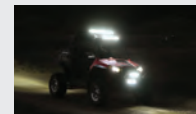
**2015** Action Express Racing fields the No. 31 Whelen Corvette Daytona Prototype in the 2015 IMSA TUDOR United Sports Car Championship season.

**WHELEN**®

*Super-LED® Lightbar*

# Legacy® Series

## SOLO™
### FEATURES

- Single color Linear Super-LED®
- 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 resist environmental damage from sand, sun, salt, and road chemicals
- 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
- Five year HDP® Heavy-Duty Professional warranty

### SPECS

- 12 VDC
- SOLO Corner Amps - 1.26/peak and 0.50/avg per corner
- SAE Class 1 Certified
- Size: 1-5/8" (41mm) H x 11-5/16" (287mm) D

### MODELS

**Legacy WeCan, Single Color**

| | |
|---|---|
| GS4**** | 43-1/4" (110cm), one color |
| GS8**** | 48" (123cm), one color |
| GS2**** | 53-3/4" (136cm), one color |

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

Additional models and options available, consult price list and/or WeCad™ software

## DUO+™
### FEATURES

- All warning lightheads are true DUO+, whether one color or two. Each 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 resist environmental damage from sand, sun, salt, and road chemicals
- Photocell is optional
- Plug & Play into Whelen WeCan® controllers
- Clear outer lenses standard (available with Smoked lenses)
- Optional Traffic Advisor™ available in single or DUO™ color
- Many options available; consult current price list or WeCad build-a-bar software
- Five year HDP Heavy-Duty Professional warranty

### SPECS

- 12 VDC
- DUO Corner Amps (each color) - 3/peak and 1.8/avg per corner
- SAE Class 1 Certified
- Size: 1-5/8" (41mm) H x 11-5/16" (287mm) D

### MODELS

**Legacy WeCan, DUO+ Color**

| | |
|---|---|
| GB4**** | 43-1/4" (110cm), one color |
| GB4#### | 43-1/4" (110cm), two color |
| GB8**** | 48" (123cm), one color |
| GB8#### | 48" (123cm), two color |
| GB2**** | 53-3/4" (136cm), one color |
| GB2#### | 53-3/4" (136cm), 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

**WHELEN®**

## *Super-LED® Lightbar*

# Liberty™ II Series (Patent Pending)
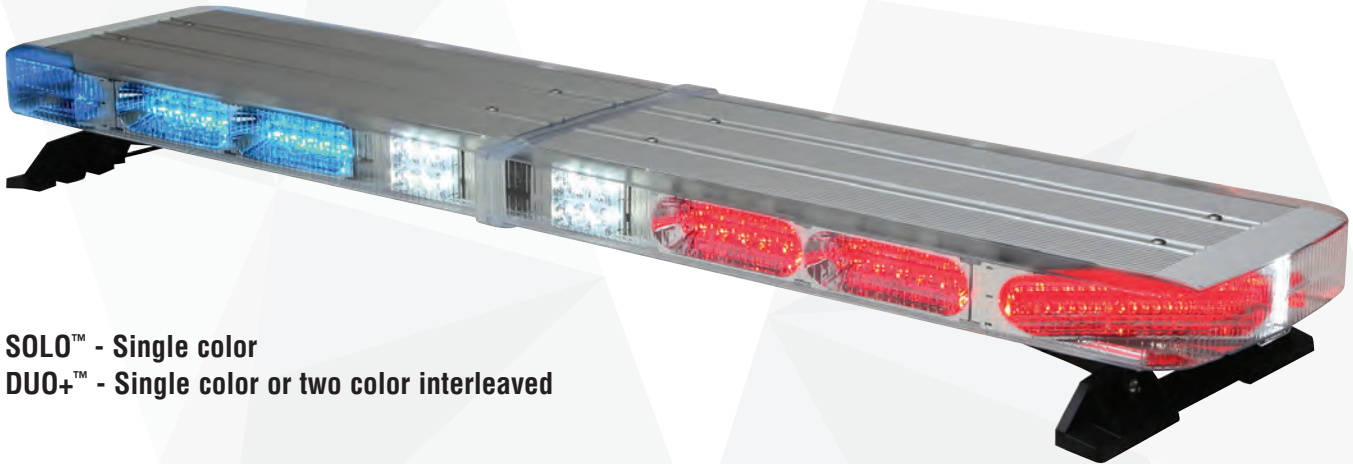
**SOLO™ - Single color**
**DUO+™ - Single color or two color interleaved**

## FEATURES

- SOLO models available in Low Current or WeCan®, DUO+ models available in WeCan
- 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 resist environmental damage from sand, sun, salt, and road chemicals
- Plug & Play into Whelen or vehicle manufactured controllers (WeCan only)
- 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
- Many options available; consult current price list or WeCad™ build-a-bar software
- Five year HDP® Heavy-Duty Professional warranty

## SPECS

- 12 VDC
- SOLO Corner Amps - 2/peak and 0.80/avg per corner
- DUO+ Corner Amps (each color) - 3/peak 1.2/avg per corner
- SAE Class 1 Certified
- Size: 2-1/2" (64mm) H x 11-5/16" (287mm) D

## MODELS

| Liberty II SOLO Low Current, Single Color | |
|---|---|
| IX4**** | 44" (110cm) Single Color, Red, Blue, Amber or White |
| IX8**** | 48" (123cm) Single Color, Red, Blue, Amber or White |
| IX2**** | 54" (136cm) Single Color, Red, Blue, Amber or White |
| **Liberty II SOLO WeCan, Single Color** | |
| IW4**** | 44" (110cm) Single Color, Red, Blue, Amber or White |
| IW8**** | 48" (123cm) Single Color, Red, Blue, Amber or White |
| IW2**** | 54" (136cm) Single Color, Red, Blue, Amber or White |

| Liberty II DUO+ WeCan, Single Color | |
|---|---|
| IB4**** | 44" (110cm) Single Color, Red, Blue, Amber or White |
| IB8**** | 48" (123cm) Single Color, Red, Blue, Amber or White |
| IB2**** | 54" (136cm) Single Color, Red, Blue, Amber or White |
| **Liberty II DUO+ WeCan, DUO+ color** | |
| IB4#### | 44" (110cm) DUO+ Color, Red, Blue, Amber or White |
| IB8#### | 48" (123cm) DUO+ Color, Red, Blue, Amber or White |
| IB2#### | 54" (136cm) DUO+ Color, Red, Blue, Amber or White |

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

## Super-LED® Lightbar

# NEW Liberty™ II TRIO™ Series
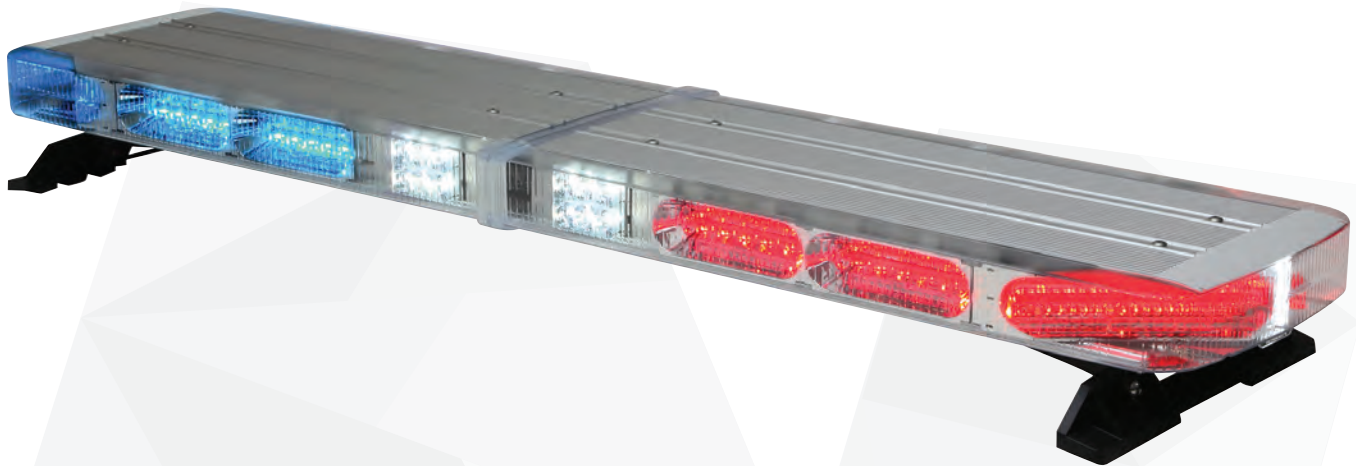


## FEATURES

- Available in preconfigured combinations
- 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 resist environmental damage from sand, sun, salt, and road chemicals
- 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
- Five year HDP® Heavy-Duty Professional warranty

## SPECS

- 12 VDC
- TRIO Corner Amps (each color) - 1.5/peak and 0.60/avg per corner
- SAE Class 1 Certified
- Size: 2-1/2" (64mm) H x 11-5/16" (287mm) D

## MODELS

| Liberty II TRIO1 Red/Blue with White Illumination | |
|---|---|
| I341 | 44" (110cm) |
| I381 | 48" (123cm) |
| I321 | 54" (136cm) |

| Liberty II TRIO2 Red/Blue with Amber Traffic Advisor™ and White Illumination | |
|---|---|
| I342 | 44" (110cm) |
| I382 | 48" (123cm) |
| I322 | 54" (136cm) |

| Liberty II TRIO3 Red/Blue with Green Command Corners and White Illumination Inboard | |
|---|---|
| I343 | 44" (110cm) |
| I383 | 48" (123cm) |
| I323 | 54" (136cm) |

| Liberty II TRIO4 Red/Blue with Amber Traffic Advisor and Green Command Corners and White Illumination Front Inboard | |
|---|---|
| I344 | 44" (110cm) |
| I384 | 48" (123cm) |
| I324 | 54" (136cm) |

| Liberty II TRIO5 Red/Blue with White Illumination to the Front and Rear Corners and Red/Blue/Amber Rear Inboards | |
|---|---|
| I345 | 44" (110cm) |
| I385 | 48" (123cm) |
| I325 | 54" (136cm) |

| Liberty II TRIO6 Red/Blue with Green Command Corners and White Illumination Front Inboards and Red/Blue/Amber Rear Inboards | |
|---|---|
| I346 | 44" (110cm) |
| I386 | 48" (123cm) |
| I326 | 54" (136cm) |

WHELEN®

## Super-LED® Lightbar

# NEWFreedom® IV DYAD™ Series
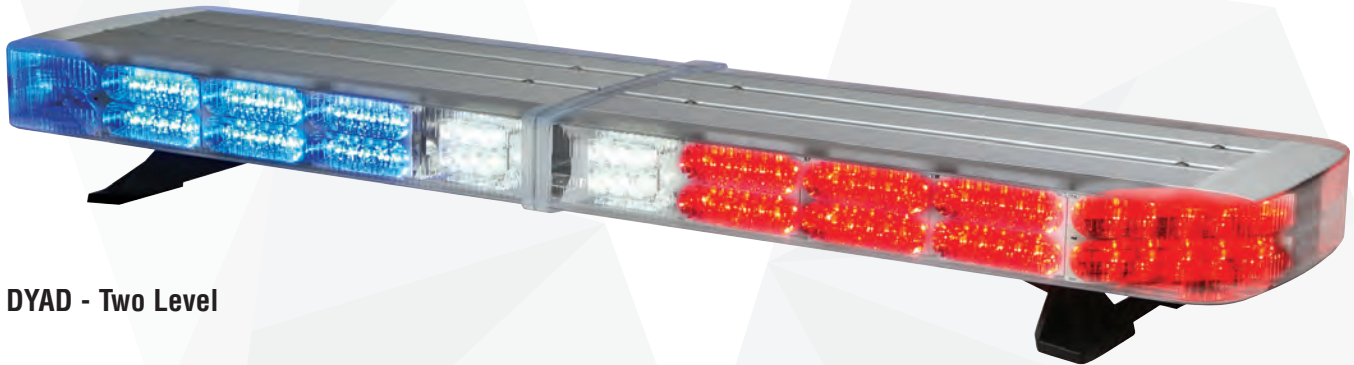
**DYAD - Two Level**

## FEATURES

- 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 resist environmental damage from sand, sun, salt, and road chemicals
- Plug & Play into Whelen or vehicle manufactured controllers (WeCan® only)
- 17' passenger side cable
- Optional photocell automatically dims the lightbar at night and still meets SAE Class 1 requirements in low power mode
- Many options available; consult current price list or WeCad™ build-a-bar software
- Five year HDP® Heavy-Duty Professional warranty

## MODELS

| Freedom IV DYAD, Low Current | |
|---|---|
| F4X4**** | 44-1/2" (113cm) |
| F4X8**** | 49-1/4" (125cm) |
| F4X2**** | 55" (140cm) |
| F4X0**** | 60" (152cm) |
| F4X7**** | 72" (183cm) |

| Freedom IV DYAD, WeCan | |
|---|---|
| F4W4**** | 44-1/2" (113cm) |
| F4W8**** | 49-1/4" (125cm) |
| F4W2**** | 55" (140cm) |
| F4W0**** | 60" (152cm) |
| F4W7**** | 72" (183cm) |

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

## SPECS

- 12 VDC
- Amps - 1.68/peak and 0.67/avg per corner
- SAE Class 1 Certified
- Size: 3-3/4" (95mm) H x 12-1/2" (318mm) D

*Super-LED® Lightbar*

# Justice® WeCan® Series

## FEATURES

- Available with 9 or 6 diode Linear-LED® corners
- Individual control of each lighthead
- Plug & Play into Whelen WeCan® or vehicle manufactured controllers
- Extruded aluminum platform and Black polycarbonate base for added strength
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Easily upgraded or serviced in the field
- 15' passenger side exit cable
- Available with Clear, Smoked, or color lenses
- Many options available, consult price list and/or WeCad™ build-a-bar software
- Five year HDP® Heavy-Duty Professional warranty

## SPECS

- 12 VDC
- 9 diode Linear-LED® Corner Amps, 1.5/peak and 0.6/avg per corner
- 6 diode Linear-LED Corner Amps, 1/peak and 0.4/avg per corner
- SAE Class 1 Certified
- Size: 2-1/4 (57mm) H x 12" (304mm) D

## MODELS

| Justice WeCan, 9 diode Linear-LED Corners | |
|---|---|
| JV4**** | 44" (112cm) |
| JV8**** | 50-1/8" (132cm) |
| JV2**** | 56-1/4" (152cm) |
| JV0**** | 62-3/8" (158cm) |

| Justice WeCan, 6 diode Linear-LED Corners | |
|---|---|
| JY4**** | 44" (112cm) |
| JY8**** | 50-1/8" (132cm) |
| JY2**** | 56-1/4" (152cm) |
| JY0**** | 62-3/8" (158cm) |

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

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.

**WHELEN®**

## Super-LED® Lightbar

# **NEW**Inner Edge® RTX Series



**SOLO™** - Single color
**DUO+™** - Two color interleaved
**TRIO™** - Three color interleaved

## FEATURES

• Available with SOLO, DUO+, or TRIO interleaved Linear-LED® light modules
• Drop-in lighthead tray is universal, allowing for easy serviceability
• Vehicle specific housing minimizes flashback to vehicle passengers

• Meets SAE Class 1 and California Title XIII specifications
• Extra low profile, fully featured interior lightbars designed to blend with vehicles existing interior
• Hard-coated lenses minimize UV damage and resist scratches
• Five year HDP® Heavy-Duty Professional warranty

| RTX Trays | |
|---|---|
| ISTRAY6 | 6 Lamp Tray for SOLO lightheads |
| ISTRAY8 | 8 Lamp Tray for SOLO lightheads |
| IDTRAY6 | 6 Lamp Tray for DUO lightheads |
| IDTRAY8 | 8 Lamp Tray for DUO lightheads |
| ITTRAY6 | 6 Lamp Tray for TRIO lightheads |
| ITTRAY8 | 8 Lamp Tray for TRIO lightheads |

| RTX Lightheads | |
|---|---|
| IES* | One SOLO lighthead, Red, Blue, Amber, or White |
| IED# | One DUO+ lighthead, Red, Blue, Amber, and/or White |
| IETRBA | One TRIO lighthead, Red/Blue/Amber |
| IETRCA | One TRIO lighthead, Red/White/Amber |
| IETBCA | One TRIO lighthead, Blue/White/Amber |
| IETRBC | One TRIO lighthead, Red/Blue/White |

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

## MODELS

| Vehicle Specific Housing and Mounts | |
|---|---|
| IE37LR8 | Chevy Caprice, 2011-2015, lower rear housing for six or eight modules |
| IE37LRZ | Chevy Caprice, 2011-2015, lower rear housing for ten modules |
| IE46LR8 | Chevy Impala, 2014-2015, lower rear housing for six or eight modules |
| IE46LRZ | Chevy Impala , 2014-2015, lower rear housing for ten modules |
| IE45UR8 | Chevy Tahoe/Suburban, 2015, upper rear housing for six or eight modules |
| IE35LR8 | Dodge Charger, 2011-2015, lower rear housing for six or eight modules |
| IE35LRZ | Dodge Charger, 2011-2015, lower rear housing for ten modules |
| IE34UR8 | Ford Explorer, 2011-2016, Ford Police Interceptor Utility, 2013-2016, upper rear housing for six or eight modules |
| IE38LR8 | Ford Taurus, 2011-2015, Ford Police Interceptor Sedan, 2013-2015, lower rear housing for six or eight modules |
| IE38LRZ | Ford Taurus, 2011-2015, Ford Police Interceptor Sedan, 2013-2015, lower rear housing for ten modules |

**WHELEN**®

# Inner Edge® XLP Series



## MODELS

| Ford | | | | | |
|---|---|---|---|---|---|
| Fusion, 2013-2015 | Taurus, 2011-2015, Police Interceptor Sedan, 2013-2015 | Explorer, 2011-2016, Police Interceptor Utility, 2013-2016 | F-150, 2015 | F-250/F-350, 2012-2015 | Expedition, 2013-2015 |
| **Upper Front Series - 3-LED - Low Current** | | | | | |
| Five lamp, upper front passenger side unit only, with one LED flashing/take-down | | | | | |
| IX43UF5P | IX38UF5P | IX34UF5P | IX47UF5P | IX39UF5P | IX08UF5P |
| Six lamp, upper front passenger side unit only (no take-down) | | | | | |
| IX43UF6P | IX38UF6P | IX34UF6P | IX47UF6P | IX39UF6P | IX08UF6P |
| Ten lamp, upper front two piece unit, individual driver and passenger side units, with two LED flashing/take-downs | | | | | |
| IX43UFZ | IX38UFZ | IX34UFZ | IX47UFZ | IX39UFZ | IX08UFZ |
| Twelve lamp, upper front two piece unit, individual driver and passenger side units (no take-downs) | | | | | |
| IX43UFX | IX38UFX | IX34UFX | IX47UFX | IX39UFX | IX08UFX |

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| DUO 6-LED Upper Front Series - WeCan® | | | | | |
|---|---|---|---|---|---|
| Six 6-LED DUO lamps, upper front passenger side unit only | | | | | |
| IW43UF6P | IW38UF6P | IW34UF6P | IW47UF6P | IW39UF6P | IW08UF6P |
| Twelve 6-LED DUO lamps, upper front two piece unit, individual driver and passenger side units | | | | | |
| IW43UFX | IW38UFX | IW34UFX | IW47UFX | IW39UFX | IW08UFX |

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| DUO 6-LED Upper Front Series - Low Current | | | | | |
|---|---|---|---|---|---|
| Six 6-LED DUO lamps, upper front passenger side unit only | | | | | |
| ID43UF6P | ID38UF6P | ID34UF6P | ID47UF6P | ID39UF6P | ID08UF6P |
| Twelve 6-LED DUO lamps, upper front two piece unit, individual driver and passenger side units | | | | | |
| ID43UFX | ID38UFX | ID34UFX | ID47UFX | ID39UFX | ID08UFX |

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**WHELEN®**

# Inner Edge® XLP Series

## FEATURES

- **NEW** 2015 Ford F-150 models now available
- Extra low profile, fully featured interior lightbars designed to blend with vehicles existing interior
- Available in 3-LED and 6-LED DUO™ models
- DUO technology features your choice of warning color interleaved with White illumination in each light module
- Available in WeCan® or Low Current controlled models
- WeCan offers individual control of each warning portion of each module and controls groups of three White take-down light portions of the module. Low Current offers individual control of the warning or the take-down

- Meets SAE Class 1 and California Title XIII specifications
- Hard-coated lenses minimize UV damage and resist scratches
- Requires customer supplied switches or control head, purchased separately
- Five year HDP® Heavy-Duty Professional warranty

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.

| Chevrolet | | | Dodge | | |
|---|---|---|---|---|---|
| Caprice, 2001-2015 | Impala SSV & PPV, 2014-2015 | Suburban/ Tahoe, 2015, Silverado 1500/2500/ 3500, 2014-2015 | Charger 2011-2015 | Dodge Ram, 2011-2015 | Dodge Durango, 2013-2015 |
| **Upper Front Series - 3-LED - Low Current** | | | | | |
| Five lamp, upper front passenger side unit only, with one LED flashing/take-down | | | | | |
| IX37UF5P | IX46UF5P | IX45UF5P | IX35UF5P | IX42UF5P | IX44UF5P |
| Six lamp, upper front passenger side unit only (no take-down) | | | | | |
| IX37UF6P | IX46UF6P | IX45UF6P | IX35UF6P | IX42UF6P | IX44UF6P |
| Ten lamp, upper front two piece unit, individual driver and passenger side units, with two LED flashing/take-downs | | | | | |
| IX37UFZ | IX46UFZ | IX45UFZ | IX35UFZ | IX42UFZ | IX44UFZ |
| Twelve lamp, upper front two piece unit, individual driver and passenger side units (no take-downs) | | | | | |
| IX37UFX | IX46UFX | IX45UFX | IX35UFX | IX42UFX | IX44UFX |

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| DUO 6-LED Upper Front Series - WeCan | | | | | |
|---|---|---|---|---|---|
| Six 6-LED DUO lamps, upper front passenger side unit only | | | | | |
| IW37UF6P | IW46UF6P | IW45UF6P | IW35UF6P | IW42UF6P | IW44UF6P |
| Twelve 6-LED DUO lamps, upper front two piece unit, individual driver and passenger side units | | | | | |
| IW37UFX | IW46UFX | IW45UFX | IW35UFX | IW42UFX | IW44UFX |

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| DUO 6-LED Upper Front Series - Low Current | | | | | |
|---|---|---|---|---|---|
| Six 6-LED DUO lamps, upper front passenger side unit only | | | | | |
| ID37UF6P | ID46UF6P | ID45UF6P | ID35UF6P | ID42UF6P | ID44UF6P |
| Twelve 6-LED DUO lamps, upper front two piece unit, individual driver and passenger side units | | | | | |
| ID37UFX | ID46UFX | ID45UFX | ID35UFX | ID42UFX | ID44UFX |

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*Super-LED® Lightbar*

# Outer Edge® Series



OE45UR6



RP34

## FEATURES

- Available in Red, Amber, Blue, or White
- Lightheads are fully encapsulated for moisture, vibration, and corrosion resistance
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Meets or exceeds SAE J845, SAE J595, and California Title XIII specifications
- Five year HDP® Heavy-Duty Professional warranty

### Rear Facing

- Two independent powder coated housings mount easily to the rear spoiler with screws
- Each housing supports three Micron™ lightheads
- Traffic Advisor™ models include a control module

### Rear Pillar

- Vehicle specific vacuum formed housings conform to vehicle back pillars
- Three Micron™ lightheads mount above each brake/tail/turn assembly

## MODELS

| Model | Series | Type | Lightheads | Vehicle | VDC | Patterns |
|-------|--------|------|-----------|---------|-----|----------|
| OE45UR6 | Rear Facing | Warning | 3 Micron lightheads per section | Chevy Tahoe, 2015 | 12 | 25 Scan-Lock™ |
| OE34UR6 | | | | Ford Explorer, 2011-2016 Police Interceptor Utility, 2013-2016 | | |
| OE45UR6T | | Traffic Advisor | | Chevy Tahoe, 2015 | | |
| OE34UR6T | | | | Ford Explorer, 2011-2016 Police Interceptor Utility, 2013-2016 | | |
| RP45 | Rear Pillar** | Warning | | Chevy Tahoe, 2015 | | |

| Option | Option Description |
|--------|-------------------|
| OEMCRN* | Warning Lighthead |
| OEMCTA* | Traffic Advisor Lighthead |

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

Note: All Outer Edge orders require a corresponding Outer Edge worksheet which can be provided by your sales representative or local distributor

** Note: Not yet available for 2016 Ford Explorer or Police Interceptor Utility

**WHELEN®**

## Dash & Deck

# Avenger™ Series

- **SAE Class 1 Certified**
- **NEW** Avenger TRIO™ features three different color LEDs in the same module, providing the widest variety of color combinations available, including steady-burn override
- **NEW** Dual Avenger with two LR11 take-downs
- Single or dual Linear Super-LED® interior light
- Snap-on polycarbonate hood
- Hard-coated lenses minimize UV damage and resist scratches
- Mounts via swivel/bail bracket with three suction cups
- AVN models include 10' cord with cigar plug with On/Off switch and pattern selection switch
- AVNS models include a pigtail for syncing multiple lights, and Scan-Lock™ flash pattern control
- Available in Amber, Red, Blue, and White
- Five year HDP® Heavy-Duty Professional warranty

AVNT2RBW

AVN2LRRB

| Model | Lamp | Colors | Cable | Amps | VDC | Patterns | Size (with shroud) |
|-------|------|--------|-------|------|-----|----------|--------------------|
| AVN1* | Single | R,B,A,W | Cigar plug | 0.95 | 12 | 27 Scan-Lock | 2" (50mm) H x 5-1/2" (140mm) D x 5" (127mm) L |
| AVN1# | | R,B,A,W Split | | 0.70/Alternating 1.4/Simultaneous | | 54 Scan-Lock | |
| AVN2** | Dual | | | 1/Alternating 2/Simultaneous | | | 2" (50mm) H x 5-1/2" (140mm) D x 9-3/4" (248mm) L |
| AVNS1* | Single | R,B,A,W | Synchronized w/ 4 wire pigtail | 0.95 | | 34 Scan-Lock | 2" (50mm) H x 5-1/2" (140mm) D x 5" (127mm) L |
| AVNS2** | Dual | | | 1/Alternating 2/Simultaneous | | 69 Scan-Lock | 2" (50mm) H x 5-1/2" (140mm) D x 9-3/4" (248mm) L |
| AVNT1RBW | Single | R/B/W; W override | Cigar plug | 0.40 | | 26 Scan-Lock | 2" (50mm) H x 5-1/2" (140mm) D x 5" (127mm) L |
| AVNT1RBA | | R/B/A; A override | | | | | |
| AVNT1RAW | | R/A/W; W override | | | | | |
| AVNT1BAW | | B/A/W; W override | | | | | |
| AVNT2RBW | Dual | R/B/W; W override | Cigar plug | 0.80 | | 55 Scan-Lock | 2" (50mm) H x 5-1/2" (140mm) D x 9-3/4" (248mm) L |
| AVNT2RBA | | R/B/A; A override | | | | | |
| AVNT2RAW | | R/A/W; W override | | | | | |
| AVNT2BAW | | B/A/W; W override | | | | | |
| AVN2LRBB | | B/B with W take-downs | | 0.76/Warning 0.75/Take-downs | | 53 Scan-Lock | |
| AVN2LRRB | | R/B with W take-downs | | | | | |
| AVN2LRRC | | R/W with W take-downs | | | | | |
| AVN2LRRR | | R/R with W take-downs | | | | | |

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

| Option | Option Description |
|--------|--------------------|
| AVNBKT1 | Low profile mounting bracket for AVN1/AVNS1/AVNT1 |
| AVNBKT2 | Low profile mounting bracket for AVN2/AVNS2/AVNT2 |

| Option | Option Description |
|--------|--------------------|
| AVNBKT3 | Visor mounting bracket (2 required for dual unit) |
| AVNBKT4 | Adjustable height bracket kit for all models |

## *Dash & Deck*

# SpitFire™ Series

- **• SAE Class 1 Certified**
- • ION™ Super-LED® interior dash and deck light
- • Fully encapsulated for moisture, vibration, and corrosion resistance
- • Hard-coated lenses minimize UV damage and resist scratches
- • 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
- • Five year HDP® Heavy-Duty Professional warranty

SFIONJ

| Model | Technology | Amps | VDC | Patterns | Size |
|-------|-----------|------|-----|----------|------|
| SFION* | Super-LED | 0.46/avg 1/peak | 12 | 25 Scan-Lock single color | 1-5/8" (41mm) H x 3-3/8" (86mm) D x 5-1/8" (130mm) W |
| 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 split color desired: D=Red/White, E=Blue/White, J=Red/Blue

# FlatLighter™ Series

- • Visor mount interior light
- • Includes Velcro mounting straps
- • Includes 8' straight cord with cigar plug
- • Hard-coated lenses minimize UV damage and resist scratches
- • Available in Amber, Red, Blue, and White
- • Five year HDP Heavy-Duty Professional warranty

FLLEDRB

| Model | Technology | Amps | VDC | Patterns | Size |
|-------|-----------|------|-----|----------|------|
| FLLED** | LED | 0.8 | 12 | 21 Scan-Lock | 4-1/2" (114mm) H x 1-1/4" (32mm) D x 13" (330mm) L |

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

| Option Model | Option Description |
|--------------|-------------------|
| 43LENS | 400 Series color lens, customer installed |

**WHELEN®**

## Dash & Deck

# Dominator™ & Dominator Plus™ Series

- • 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 resist environmental damage from sand, sun, salt, and road chemicals
- • Slide bolt mount
- • Extruded aluminum Black powder coated housing
- • Available in Amber, Red, Blue, and White
- • 12 VDC
- • Five year HDP® Heavy-Duty Professional warranty

DP2BR

DP6BBBRRR

| Model | Series | Technology | Lamps | Amps | Patterns | Mounting | Size | Length |
|---|---|---|---|---|---|---|---|---|
| DP2** | Dominator Plus | LINZ6 Super-LED | 2 | 0.30/avg 0.75/peak per lamp | 7 Scan-Lock™ | Slide bolt | 1-3/16" (35mm) H x 2-3/16" (55mm) D | 7" (178mm) |
| DP4**** | | | 4 | | 10 Scan-Lock | | | 14" (356mm) |
| DP6****** | | | 6 | | | | | 21" (533mm) |
| DP8§§§0 | | | 8 | | | | | 28" (711mm) |
| D2** | Dominator | TIR3 Super-LED | 2 | 0.16/avg 0.4/peak per lamp | 7 Scan-Lock | | | 7" (178mm) |
| D4**** | | | 4 | | 10 Scan-Lock | | | 14" (356mm) |
| D6****** | | | 6 | | | | | 21" (533mm) |
| D8§§§0 | | | 8 | | | | | 28" (711mm) |

Replace * symbol in model number with letter indicating color desired: A=Amber, B=Blue, R=Red, C=White
Replace § symbol with number of color lightheads required. Order of colors are Red, Blue, Amber and White

| Option Model | Option 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, 2008-2013 and Police Interceptor Utility, 2013-2016 |
| DBKT6 | Hatch mount bracket for 2008-2013 Chevy Tahoe, interior mount, D8 & DP8 only |

Side view of housing showing slide bolt mounting on top and back
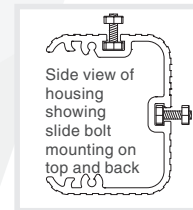
# Vertex™ Series

- Self-contained light with in-line lamp driver
- Designed to mount in composite style headlight or taillight, or surface mount to exterior surfaces with flange mount option
- VHB models for factory prepped Ford Interceptor Sedans and SUVs
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Integrate with other Whelen products through synchronize feature
- Clear outer lens, color LEDs
- **NEW** Go undercover with all new Smoked lenses. Consult price list for details
- Five year HDP® Heavy-Duty Professional warranty

NEW Smoked lens shown unlit with Black flange

VTX609B

VTXD609C with side reflector

VTX3609R

| Model | Optic | Technology | Mount | Color | VDC | FPM | Amps | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|
| VTX609* | Omni-directional | Super-LED® | 1" Hole recess or Surface (Mounting Purchased separately) | R, B, A, and/or W | 12 | 25 Scan-Lock™ | .750/ peak .30/avg | 9' | 1" (26mm) H x 1-5/8" (41mm) Dia. |
| VTX609# | Omni-directional | | | | | | | | |
| VTXD609* | Directional/side emitting shield | | | | | | | | |
| VTXD609# | Directional/side emitting shield | | | | | | | | |
| VTX3609* | 360° side emitter | | 1" Hole recess | | | | | | |
| VTX3609# | 360° side emitter | | | | | | | | |
| VHB609* | Omni-directional | | Surface | | | | | | |
| VHB609# | Omni-directional | | | | | | | | |

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

| Option Model | Option Description |
|---|---|
| VTXFC | Chrome flange |
| VTXFB | Black flange |

# Micron™ Series

- **NEW** Stud mount Micron allows for easy and simple surface mount installation
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Integrate with other Whelen products through synchronize feature
- **NEW** Go undercover with all new, SAE Class 1 Certified Smoked lenses. Consult price list for details
- Five year HDP Heavy-Duty Professional warranty

MCRNSCJ

| Model | Technology | Mount | Color | Lens | Flange | VDC | Amps | Patterns | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|---|
| MCRNS* | Linear Super-LED | Surface | A, R, B, W | Clear | Black | 12 | 0.6/peak 0.24/avg | 25 Scan-Lock | 6" Pigtail | 7/8" (23mm) H x 7/8" (23mm) D x 4" (102mm) L |
| MCRNSC* | | | A, R, B, W | | Chrome | | | | | |
| MCRNSK | | | A/R | | Black | | | | | |
| MCRNSJ | | | B/R | | | | | | | |
| MCRNSD | | | W/R | | | | | | | |
| MCRNSCK | | | A/R | | Chrome | | | | | |
| MCRNSCJ | | | B/R | | | | | | | |
| MCRNSCD | | | W/R | | | | | | | |
| MCRNT* | | Stud | A,R,B,W, | | - | | | | | |
| MCRNT# | | | A/R, B/R, W/R | | | | | | | |

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

| Option Model | Option Description |
|---|---|
| MCRNB1 | Black angle "L" mounting bracket |
| MCRNB2 | **NEW** License plate bracket for two lights |

**WHELEN®**

## *Lightheads*

# ION™ Series 🏍

- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Integrate with other Whelen products through synchronize feature
- **NEW** Go undercover with all new, SAE Class 1 Certified Smoked lenses. Consult price list for details
- Five year HDP® Heavy-Duty Professional warranty

## ION & WION

- 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

## NEW ION DUO™ & TRIO™  |DUO| |TRIO|

- 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. Color three has steady-burn override

NEW Smoked lens shown unlit with Black flange

WIONSMR

IONB

| Model | Optic | Technology | Mount | Color | Housing | VDC | Amps | Patterns | Cable | Certs | Size |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ION* | Directional | Super-LED® | Universal | A,R,B,W | Black | 12 | 1/peak 0.40/avg | 25 Scan-Lock™ | 6" Pigtail | **B,C,D** (A/B/R) | 1" (25mm) H x 1-1/4" (32mm) D x 4" (101mm) L |
| ION# | | | | R/B, R/W, B/A | | | | | | **C,D** (W) | |
| WION* | Wide-angle | | | A, R, B, W | | | | | | **B,C,D** (A/R) **B,C,D** (B) | |
| WION# | | | | R/B, R/W, B/A | | | | | | **C,D** (W) | |
| IONSM* | Directional | | Surface, includes flange | A,R,B,W | | | | | | **B,C,D** (A/B/R) | 1-11/16" (43mm) H x 1-1/8" (28mm) D x 5-15/16" (150mm) L |
| IONSM# | | | | R/B, R/W, B/A | | | | | | **C,D** (W) | |
| WIONSM* | Wide-angle | | | A,R,B,W | | | | | | **B,C,D** (A/R) **B,C,D** (B) | |
| WIONSM# | | | | R/B, R/W, B/A | | | | | | **C,D** (W) | |
| I2# | | Linear-LED | Universal | A/W, B/W, R/W, B/R,  B/A | | | 1/peak 0.40/avg per color | 69 Scan-Lock | | **B,C,D** (A) | 1" (25mm) H x 1-1/4" (32mm) D x 4" (101mm) L |
| I3# | | | | R/B/W,  R/B/A, R/A/W,  B/A/W | | | | 33 Scan-Lock | | | |

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

| Option Model | Option Description |
|---|---|
| IONK1B | Swivel mount bracket, Black |
| IONGROM | Grommet mount kit |
| IONPEDB | Black pedestal mount |

| Option Model | Option Description |
|---|---|
| IONBKT1 | License plate bracket for 2 lights |
| IONBKT2 | Rear hatch bracket, 2013-2016 Ford Police Interceptor Utility for 6 lights |
| IONBKT4 | Rear hatch bracket, 2013-2016 Ford Police Interceptor Utility for 2 lights |
| IONBKT5 | Universal mount, reversed, remove screws without removing light |
| IONBKT6 | Rear hatch bracket, 2015 Chevy Tahoe for 2 lights |

## Lightheads

# ION™ V-Series™

- 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 resist environmental damage from sand, sun, salt, and road chemicals
- Integrate with other Whelen products through synchronize feature
- **NEW** Go undercover with all new, SAE Class 1 Certified Smoked lenses. Consult price list for details
- Five year HDP® Heavy-Duty Professional warranty

IONV3B

| Model | Optic | Technology | Mount | Colors | Housing | VDC | Amps | Patterns | Cable | Certs | Size |
|---|---|---|---|---|---|---|---|---|---|---|---|
| IONV3* | V-Series | Linear Super-LED® | Universal | A, R, B, W warning with W illumination | Black | 12 | Warning 0.76, Alley 0.31, Puddle 0.12 | 25 Scan-Lock™ | 6" Pigtail | C,D | 1" (25mm) H x 2-3/16" (56mm) D x 4-1/16" (104mm) L |
| IONV3*W | | | | | White | | | | | | |
| IONSV3* | | | Surface, includes flange | | Black | | | | | | 1-11/16" (43mm) H x 2" (50mm) D x 5-15/16" (150mm) L |
| IONSV3*W | | | | | White | | | | | | |
| IONSV3*C | | | | | Chrome | | | | | | |
| IONV1* | V-Series with directional | Linear and TIR Super-LED | Universal | A, R, B, W | Black | | 1.147 | | | | 1" (25mm) H x 2-3/16" (56mm) D x 4-1/16" (104mm) L |
| IONV1*W | | | | | White | | | | | | |
| IONSV1* | | | Surface, includes flange | | Black | | | | | | 1-11/16" (43mm) H x 2" (50mm) D x 5-15/16" (150mm) L |
| IONSV1*W | | | | | White | | | | | | |
| IONSV1*C | | | | | Chrome | | | | | | |

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

| Option Model | Option Description |
|---|---|
| IONK1B | Swivel mount bracket, Black |
| IONGROM | Grommet mount kit |
| IONPEDB | Pedestal mount, Black |

| Option Model | Option Description |
|---|---|
| IONBKT1 | License plate bracket for 2 lights |
| IONBKT2 | Rear hatch bracket, 2013-2016 Ford Police Interceptor Utility for 6 lights |
| IONBKT4 | Rear hatch bracket, 2013-2016 Ford Police Interceptor Utility for 2 lights |
| IONBKT5 | Universal mount, reversed, remove screws without removing light |
| IONBKT6 | Rear hatch bracket, 2015 Chevy Tahoe for 2 lights |

**WHELEN**®

# Lightheads

## LINV2™ V-Series™

- Combination 180° warning and puddle light
- Includes Black flange
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Includes steady-burn, alternating, and simultaneous patterns
- Integrate with other Whelen products through synchronize feature
- **NEW** Go undercover with all new, SAE Class 1 Certified Smoked lenses. Consult price list for details
- Five year HDP® Heavy-Duty Professional warranty

LINV2R

LINSV2B

| Model | Optic | Technology | Mount | Color | VDC | Amps | Patterns | Cable | Certs | Size |
|---|---|---|---|---|---|---|---|---|---|---|
| LINV2* | V-Series | Linear Super-LED® | Horizontal, surface | A, R, B, W | 12 | 0.75 Warning | 25 Scan-Lock™ | 6" Pigtail | C, D (A) | 1-1/2" (40mm) H x 1-5/8" (42mm) D x 3-7/8" (98mm) L |
| LINSV2* | | | Under surface mounting | | | 0.12 Puddle | | | | 1-1/8" (28mm) H x 2-13/16" (71mm) D x 2-7/8" (73mm) L |

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

| Option Model | Model | Option Description |
|---|---|---|
| RFLANGEC | | Chrome plated flange kit |
| RFLANG2C | | Chrome plated dual flange, 2 lightheads |
| RFLANG2B | | Black dual flange, 2 lightheads |
| RGROMMET | | Grommet mount kit (except LINSV2) |
| RBKT1 | | Mounting bracket, 1 lighthead |
| RBKT2 | | Mounting bracket, 2 lightheads |
| RBKT5 | LINV2 | Under-the-side view mirror bracket, 18° downward housing, Chevy Tahoe, 2009-2013 |
| RBKT6 | | License plate bracket, 2 lightheads, horizontal |
| RBKT7 | | License plate bracket, 2 lightheads, vertical |
| RBKT10 | | Trunk mount bracket, pair, Dodge Charger |
| RBKT11 | | Above rear taillight bracket, pair, Ford F-150, 2013-2014 |
| RBKT12 | | Above rear taillight bracket, pair, Ford F-250/350/450/550, 2013-2015 |
| RBKT14 | | Above rear taillight bracket, pair, Chevy Silverado/GMC 1500, 2014-2015 |
| RBKT16 | | Trunk mount bracket, pair, Ford Police Interceptor Sedan, 2013-2015 |
| RBKT17 | | Above rear taillight bracket, pair, Dodge Ram, 2014-2015 |

| Option Model | Model | Option Description |
|---|---|---|
| LSVBKT13 | | Under-the-side view mirror mount, pair, Chevy Silverado, 1500/2500, 2014-2015 |
| LSVBKT34 | | Under-the-side view mirror mount, pair, Ford Explorer, 2011-2016, Police Interceptor Utility, 2013-2016 |
| LSVBKT35 | | Under-the-side view mirror mount, pair, Dodge Charger, 2011-2015 |
| LSVBKT37 | LINSV2 | Under-the-side view mirror mount, pair, Chevy Caprice, 2011-2015 |
| LSVBKT38 | | Under-the-side view mirror mount, pair, Ford Taurus, 2011-2015, Police Interceptor Sedan, 2013-2015 |
| LSVBKT42 | | Under-the-side view mirror mount, pair, Dodge Ram 1500, 2011-2015 |
| LSVBKT44 | | Under-the-side view mirror mount, pair, Dodge Durango, 2013-2015 |
| LSVBKT45 | | Under-the-side view mirror mount, pair, Chevy Tahoe and Suburban, 2015 |

NOTE: Mounting available for Harley-Davidson® Motorcycles. Refer to current Price List or Whelen Motorcycle Brochure for more information

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## *Lightheads*

# V23, M2, & M4 Series

- Available with a patented Linear-LED® designed reflector assembly
- **NEW** M4 combination warning and driving light
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Surface mount via two screws
- Lens and reflector are a sealed assembly
- M2 and M4 lightheads can integrate with other Whelen products through synchronize feature
- Built-in flasher models are synchronizable
- Includes California Title XIII compliant flash patterns
- M4 models available in 24 Volt, contact factory
- Five year HDP® Heavy-Duty Professional warranty

M2B

V23RTPB

M4R

M4DWR

M4V2B

| Model | Optic | Technology | Color | Lens | VDC | Flasher | Patterns | Amps | Certs | Size |
|---|---|---|---|---|---|---|---|---|---|---|
| V23*TPB | V-Series™ (includes Black flange) | Super-LED® | A, R, B, 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 | C, D | 2-11/16 ” (68mm) H x 1-1/2” (38mm) D x 4-1/4” (109mm) L |
| V23*TPC | V-Series (includes Chrome flange) | | | | | | | | | |
| M2* | Directional | | A, R, B, W | Color | | | 25 Scan-Lock including steady-burn | 1/peak 0.45/avg | B (R/A/B) C,D (R/A/B) | 2-1/2” (64mm) H x 4” (102mm) W x 1” (25mm) D |
| M2*C | | | | Clear | | | | | | |
| M2# | | | R/A, R/B, R/W | | | | 69 Scan-Lock | | | |
| M2W* | Wide-angle | | A, R, B, W | Color | | | 26 Scan-Lock including steady-burn | | | |
| M2W*C | | | | Clear | | | | | | |
| M2W# | | | R/A, R/B, R/W | | | | 69 Scan-Lock | | | |
| M4* | Directional | | A, R, B, W | Color | | | 125 Scan-Lock | 1.5/peak 0.6/avg | B (A/B/W) C,D (R/A/B) | 3-3/8” (86mm) H x 5-1/2” (138mm) W x 1-3/8” (35mm) D |
| M4*C | | | | Clear | | | | | | |
| M4# | | | R/A, R/B, R/W | | | | 64 Scan-Lock | | | |
| M4*S | | | A, R, B, W | Color | | Requires flasher (Purchased separately) | - | | | |
| M4*CS | | | | | | | | | | |
| M4DW* | | | W with R or B | | | Built-in | 50 Scan-Lock | Warning & driving 1.0/peak 0.40/avg | Pending | |
| M4DWJ | | | W with R/B split | | | | | | | |
| M4V2* | V-Series | | A, R, B, W warning with W illumination | Clear | | Built-in | 25 Scan-Lock | Warning 1.0/peak 0.40/avg, Perimeter 0.77 | Pending | 3-3/8” (86mm) H x 1-7/8” (47mm) D x 5-1/2” (138mm) L |

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

| Option Model | | | | Option Description |
|---|---|---|---|---|
| V23 | M2 | M4 | M4V2 | |
| - | 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 | M4CT15B | Fog light mount for 2015 Chevy Tahoe, pair, Black |
| V23P20B | - | - | - | Angled surface mount, Black |
| V23P20C | - | - | - | Angled surface mount, Chrome |

**WHELEN®**

*Lightheads*

# SideKick™ Series

- Available with ION™ standard warning, ION wide-angle warning, or ION V-Series™ three-in-one combination warning, alley/flood, and puddle light
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Side fender mounted Black polycarbonate housing
- Easily installs without removing the fender
- **NEW** Go undercover with all new, SAE Class 1 Certified Smoked lenses. Consult price list for details
- Five year HDP® Heavy-Duty Professional warranty

SK01V3BB

| Model | Optic | Technology | Color | Housing | VDC | Amps | Patterns | Cable | Certs | Size |
|-------|-------|-----------|-------|---------|-----|------|----------|-------|-------|------|
| SK01** | Directional | Super-LED® | A, R, B, W | Black | 12 | 1.0/peak .40/avg | 25 | 10" 4-Wire pigtail | C | Fits 2013-2015 Ford Police Interceptor Sedan |
| SK01JJ | | | R/B | | | | 69 | | | |
| SK01W** | Wide-angle | | A, R, B, W | | | | 25 | | | |
| SK01WJJ | | | R/B | | | | 69 | | | |
| SK01V3** | V-Series | | A, R, B, W | | | .765 warning .31 alley .12 puddle | 25 | 10" 6-Wire pigtail | C, D | |
| SK02** | Directional | | A, R, B, W | | | 1.0/peak .40/avg | | 10" 4-Wire pigtail | C | Fits 2011-2015 Chevy Caprice |
| SK02JJ | | | R/B | | | | 69 | | | |
| SK02W** | Wide-angle | | A, R, B, W | | | | 25 | | | |
| SK02WJJ | | | R/B | | | | 69 | | | |
| SK02V3** | V-Series | | A, R, B, W | | | .765 warning .31 alley .12 puddle | 25 | 10" 6-Wire pigtail | C, D | |

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

## *Lightheads*

# Mirror-Beam™ Series

- Custom textured Black vacuum formed ABS housings fit over existing mirror glamour caps
- **NEW** Now available with ION™ V-Series™ 3-in-1 combination warning, alley/flood, and puddle light
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- 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
- **NEW** Go undercover with all new, SAE Class 1 Certified Smoked lenses. Consult price list for details
- Five year HDP® Heavy-Duty Professional warranty

MBCC11JJ

| Model | Series | Color | Amps | VDC | Patterns | Vehicle | Certs | Lighthead Size |
|---|---|---|---|---|---|---|---|---|
| MBCC11** | ION | A, R, B, W | 1.0/peak 0.40/avg per lighthead | 12 | 25 Scan-Lock | Chevy Caprice, 2011-2015 | **B** R/A/B/W, **C** R/A/B/W, **D** R/A/B/W | 1" (25mm) H x 4" (101mm) L |
| MBCC11JJ | | R/B | | | | | | |
| MBCT15** | | A, R, B, W | | | | Chevy Tahoe, 2015 | | |
| MBCT15JJ | | R/B | | | | | | |
| MBDC11** | | A, R, B, W | | | | Dodge Charger, 2011-2015 | | |
| MBDC11JJ | | R/B | | | | | | |
| MBFT11** | | A, R, B, W | | | | Ford Taurus, 2011-2015 Police Interceptor, 2013-2015 | | |
| MBFT11JJ | | R/B | | | | | | |
| MBFX11** | | A, R, B, W | | | | Ford Explorer, 2011-2016 Police Interceptor Utility, 2013-2016 | | |
| MBFX11JJ | | R/B | | | | | | |
| VMCC11** | ION V-Series | A, R, B, W | .765 warning .31 alley .12 puddle per lighthead | | | Chevy Caprice, 2011-2015 | C | |
| VMCT15** | | | | | | Chevy Tahoe, 2015 | | |
| VMDC11** | | | | | | Dodge Charger, 2011-2015 | | |
| VMFT11** | | | | | | Ford Taurus, 2011-2015 Police Interceptor, 2013-2015 | | |
| VMFX11** | | | | | | Ford Explorer, 2011-2016 Police Interceptor Utility, 2013-2016 | | |
| MBPI06** | 500 Series Linear Super- LED® | | 1.0/peak .40/avg | | | Chevy Impala, 2006-2015 | | 1-5/8" (41mm) H x 5" (127mm) L |

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

*Lightheads*

# OS™ Series

• Fully encapsulated for moisture, vibration, and corrosion resistance
• Hard-coated lenses resist environmental damage
  from sand, sun, salt, and road chemicals
• Includes Chrome flange
• Clear outer lens, color LEDs
• 24 Volt models available, contact factory
• Five year HDP® Heavy-Duty Professional warranty



OSR00FCR

| Model | Technology | Mount | Color | VDC | Amps | Patterns | Flasher | Cable | Size |
|---|---|---|---|---|---|---|---|---|---|
| OS*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 1-1/2"(48mm) W x 1/2" (13mm) D |
| OS*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

• Hard-coated lenses minimize environmental damage
  from sand, sun, salt, and road chemicals
• Fully encapsulated for moisture, vibration, and corrosion
  resistance
• Five year HDP Heavy-Duty Professional warranty

## 3" Round

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

## Flat Lens

• TIR6™ Super-LED® with synchronize feature
• Supplied with adapter for PAR-36 (4-1/2") applications



3SB00FBR



2FR00ZRR

| Model | Series | Technology | Mount | Color | VDC | Amps in mA | Patterns | Cable | Certs | Size |
|---|---|---|---|---|---|---|---|---|---|---|
| 3S*00F*R | 3" Round | LED warning | Surface | A,R,B | 12 | .50/peak .25/avg | 1 | 6" Pigtail | C,D (Class 1, 2 & 3) | 3"(76mm) Dia. |
| 3SC0CDCR | | LED compartment | | W | | .36 | steady | | - | |
| 2F*00Z*R | 4" Round | TIR6 Super-LED | Requires optional mounting | A, R, B, W | | .8/peak .32/avg | 25 Scan-Lock™ | | B, (A) C, D | 4-1/4" (108mm) Dia. x 1-3/16" Depth |

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

| Option Model | | Option Description |
|---|---|---|
| 3" | 4" | |
| 3FLANGEC | - | Chrome plated flange |
| 3GROMMET | - | Rubber grommet kit |

WHELEN® 23

## *Lightheads*

# 3-1/2" Round & 4" Round Extended Lens

- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Integrate with other Whelen products through synchronize feature
- Five year HDP® Heavy-Duty Professional warranty

## 3-1/2" Round

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

PAR28DJ

## 4" Round Extended Lens

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

FEDC06JR

| Model | Type | Technology | Mount | Color | VDC | Amps | Patterns | Cable | Certs | Size |
|---|---|---|---|---|---|---|---|---|---|---|
| PAR28* | 3-1/2" Round | Linear6™ Super-LED | Fog light | A, R, B, W | | 2/peak .9/avg | 25 Scan-Lock™ | 6" Pigtail | B, C, D | 3-1/2" (89mm) Dia. |
| PAR28# | | | | R/B, R/W, B/W | | | 69 Scan-Lock | | | |
| PAR28D* | 3-1/2" Round White Driving Light | | | W with B or R | | 1/peak .4/avg | 50 Scan-Lock | | C, D | |
| PAR28DJ | | | | W with B over R | | | | | | |
| 2E*00Z*R | 4" Round Extended Lens | | Requires optional mounting | A, R, B, W | 12 | | 25 Scan-Lock | | B (B/R), C, D | 4-1/4" (108mm) Dia. x 2" Depth |
| 2E#00ZCR | | | | R/B, R/W, B/W | | | 69 Scan-Lock | | | |
| FEDC06*R | 4" Round Extended Lens with Fog Light Mount, Includes Mounting | | Dodge Durango, 2011-2015 | A, R, B, W | | 2/peak .9/avg | 25 Scan-Lock | | B, C, D | |
| FEDC06#R | | | | R/B, R/W, B/W | | | 69 Scan-Lock | | | |
| FDFP11*R | | | Ford Expedition, 2011-2014 | Driving with Interleaved R or B | | | 25 Scan-Lock | | | |
| FDFP11JR | | | | Driving with Interleaved B over R | | | 69 Scan-Lock | | | |
| FEFP11*R | | | | A, R, B, W | | | 25 Scan-Lock | | | |
| FEFP11#R | | | | R/B, R/W, B/W | | | 69 Scan-Lock | | | |

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

| Option Model | Option 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 |

**WHELEN®**

## Lightheads

# PAR-46 Hand Held Spot/Floodlights

- 90# pull magnet mount with 8' coiled cord and cigar plug
- Built-in push-button On/Off switch
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Five year HDP® Heavy-Duty Professional warranty

| Model | Lamp Type | Color | Diodes | VDC | Amps | Mount |
|---|---|---|---|---|---|---|
| P46HHS | 2° Spotlight | W | 18 | 12 | 2.3 | Hand held, includes magnet |

# PAR-46 Rubber Housing Spot/Floodlights

- Rubber stud/swivel housing
- Available with or without lighthead
- DUO™ 8° spotlight and warning light features independent control of each segment of the lighthead with spotlight override
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Five year HDP Heavy-Duty Professional warranty

| 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

- Direct replacement for outdated halogen lamps
- DUO 8° spotlight and warning light features independent control of each segment of the lighthead with spotlight override
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Five year HDP Heavy-Duty Professional warranty

P46SLC

P46FLB

P46WLC

| Model | Lamp Type | Usage | Color | Diodes | VDC | Amps |
|---|---|---|---|---|---|---|
| P46SLC | 2° Spotlight | Direct replacement | W | 9 | 12 | 2.3 |
| P46FL* | 8° Spotlight | | A, B, R, W | 18 | | 1.9 |
| P46WL* | 20° High x 60° Wide floodlight | | | | | |
| P46S2* | 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 |
| P46S2*3 | | | | | | |
| P46S2X | | | W spotlight, California steady R | | | |

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

P46S2R
P46S2R3
P46S2X

## Lightheads

# Pioneer Nano™

• Die-cast aluminum powder coated housing in Black or White
• Long life LED operation with low current draw and low operating temperature
• Hard-coated lenses resist environmental damage
  from sand, sun, salt, and road chemicals
• 8° spotlight pattern comes standard. Includes an additional 40° x 20° floodlight lens
• Optic lens changes easily via four screws in picture frame fixture
• Powder coated stainless steel bail bracket with 3/8" stud carriage bolt mount
• 24 Volt models available, contact factory
• Five year HDP® Heavy-Duty Professional warranty



NP3BW



NP6BB

| Model | Diodes | Mount | Housing | Volts | Amps | Watts | Lumens | Size |
|---|---|---|---|---|---|---|---|---|
| NP3BW | 3 | Bail/stud | White | 12 | 1 | 12.8 | 1100 | 1-7/8" (48mm) H x 1-3/4" (44mm) D x 3-1/2" (89mm) L |
| NP3BB |  |  | Black |  |  |  |  |  |
| NP6BW | 6 |  | White | 12 | 1.5 | 19.6 | 1800 | 2-5/8" (67mm) H x 1-3/4" (44mm) D x 3-1/2" (89mm) L |
| NP6BB |  |  | Black |  |  |  |  |  |

# Pioneer Micro™

• Die-cast aluminum powder coated housing in Black or White
• Long life LED operation with low current draw and low operating temperature
• Hard-coated lenses resist environmental damage
  from sand, sun, salt, and road chemicals
• 8° spotlight pattern comes standard. Includes three additional optic lenses for
  a light pattern choice of:
  • 90° x 20° wide flood
  • 40° x 20° flood
  • 40° x 8° horizontal flood
• Optic lens changes easily via four screws in picture frame fixture
• Two mounts available:
  • Powder coated stainless steel bail bracket with 3/8"
    stud carriage bolt mount
  • Low profile pedestal/swivel available with Chrome or Black
    back cover and On/Off switch
• 24 Volt models available, contact factory
• Five year HDP Heavy-Duty Professional warranty



MPBW



MPPBCS

| Model | Mount | Housing | Volts | Amps | Watts | Lumens | Size |
|---|---|---|---|---|---|---|---|
| MPBW | Bail/stud | White | 12 | 3.5 | 44.8 | 4100 | 4-1/4" (108mm) H x 2-7/8" (73mm) D x 4-3/4" (121mm) W |
| MPBB |  | Black |  |  |  |  |  |
| MPPW | Low profile pedestal/swivel | White |  |  |  |  | 8-11/16" (220mm) H x 3-1/4" (82mm) D x 5-1/16" (129mm) W |
| 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 |  |  |  |  |  |

WHELEN®

## Lightheads

# Pioneer SlimLine™

- Die-cast aluminum powder coated housing in White or Black
- Long life LED operation with low current draw and low operating temperature
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Single lamp models include an 8° spotlight pattern. Includes and additional 40°x 20° floodlight lens
- Dual lamp models include an 8° spotlight pattern. Includes an additional 40°x 20° floodlight lens and combination 8° spotlight/40°x 20° floodlight lens
- Bail bracket works for horizontal and vertical mounting positions
- 24 Volt models available, contact factory
- Five year HDP® Heavy-Duty Professional warranty

PSL2BB

PSL1P

| Model | Mount | Lamp | Housing | Volts | Amps | Watts | Lumens | Size |
|---|---|---|---|---|---|---|---|---|
| PSL1B | Bail/stud | Single | White | 12 | 3 | 39.2 | 3600 | 3-1/4" (82mm) H x 2-1/8" (55mm) D x 6-7/8" (175mm) W |
| PSL1BB | | | Black | | | | | |
| PSL2B | | Dual | White | | 6.1 | 78.3 | 7300 | 3-1/4" (82mm) H x 2-1/8" (55mm) D x 12-1/2" (317mm) W |
| PSL2BB | | | Black | | | | | |
| PSL1P | Low profile pedestal/swivel | Single | White | | 3 | 39.2 | 3600 | 5-5/8" (143mm) H x 2" (51mm) D x 6-7/8" (175mm) W |
| PSL1PB | | | Black | | | | | |
| PSL2P | | Dual | White | | 6.1 | 78.3 | 7300 | 5-5/8" (143mm) H x 2" (51mm) D x 12-1/2" (317mm) W |
| PSL2PB | | | Black | | | | | |

## *Traffic Advisors*

# LED Traffic Advisor™

- 15' cable standard, extra length cables available
- Black extruded aluminum housing
- Long life LED operation with low current draw and low operating temperature
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Includes control head (not TAD models)
- Four operating modes: left, right, split, and flashing
- Rear dip switch provides 8 flash pattern choices
- Interior or exterior applications
- Models with end flashers available
- Five year HDP® Heavy-Duty Professional warranty

TADP8/ TAZ86

TAM65

TA4437M

TAD8

| Model | Technology | Modules | End Flasher | Mount | Control Head | VDC | Housing | Size H x D | Length |
|---|---|---|---|---|---|---|---|---|---|
| TADP6 | LINZ6™ Dominator Plus™ Series | 6 | - | Surface / slide bolt | Requires optional TADCTL1 or customer supplied switches | 12 | Extreme low profile one piece | 1-3/4" (44mm) H x 2-3/16" (55mm) D | 23" (58cm) |
| TADP8 | | 8 | | | | | | | 30-7/8" (78cm) |
| TADP8** | | 8 | Yes | | | | | | 30-7/8" (78cm) |
| TAZ66 | LINZ6 | 6 | - | | TACTLD1 included | | | | 23" (58cm) |
| TAZ86 | | 8 | | | | | | | 30-7/8" (78cm) |
| TAZ86** | | 8 | Yes | | | | | | 30-7/8" (78cm) |
| TAM65 | 500 Series TIR6™ | 6 | - | | | | Low profile flat style one piece | 2-7/8" (73mm) H x 2-1/4" (57mm) D | 36" (91cm) |
| TAM85 | | 8 | | | | | | | 46-7/8" (119cm) |
| TAM85** | | 8 | Yes | | | | | | 46-7/8" (119cm) |
| TA4437M | | 8 | - | | | | Rectangular split 2 piece | 2-1/2" (64mm) H x 4-7/16" (113mm) D | 22-3/4" (58cm) each piece |
| TAD6 | TIR3 Dominator™ Series | 6 | - | | Requires optional TADCTL1 or customer supplied switches | | Extreme low profile one piece | 1-3/4" (44mm) H x 2-3/16" (55mm) D | 23" (58cm) |
| TAD8 | | 8 | | | | | | | 30-7/8" (78cm) |
| TAD8** | | 8 | Yes | | | | | | 30-7/8" (78cm) |

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

| Option Model | Option Description |
|---|---|
| TACTLD1 | Control head only for 6 & 8 lamp LED Traffic Advisor, includes remote flash control and end lamp enable/disable feature |
| DELTALD1 | Delete TACTLD1 from 6-8 lamp LED Traffic Advisor |
| TAWPKT2 | Waterproof butt splice upgrade kit for 8 lamp Traffic Advisor, factory installed |

| Option Model | Option Description |
|---|---|
| TADCTL1 | Control head for TAD/TADP Dominator Traffic Advisor only |
| TADSW1 | On/Off non-lighted SPDT 20 amp switch for TADCTL1 Dominator control head |
| TADSW2 | On/Off/On non-lighted SPDT 20 amp switch for TADCTL1 Dominator control head |
| TANBKT1 | Bracket for top of vehicle, horizontal mounting |

WHELEN®

*Motorcycle*

# Harley-Davidson® Police Lighting and Warning Products 🏍️

Whelen has engineered a wide variety of specialized Harley-Davidson Police products to fully customize your fleet. Super-LED® lights and model specific mounting brackets provide maximum protection to the front, rear, and sides of your bike, getting you noticed at every angle. Emergency response microphones and sirens alert and aid the public. All are designed specifically for the 2014-2015 Road King and Electra Glide, resulting in the perfect fit and insuring your safety and visibility.

**For more information, request Whelen's Motorcycle catalog**

## Motorcycle Systems

- The Molded Touring Box features a terminal block with fuses, 12 VDC receptacles, and a Strip-Lite™ brake/ tail with Amber turn lighthead. Six M4 Series Linear Super-LED lightheads mounted on the back and sides allow for the utmost visibility. Available with curb side, road side, or rear opening

| M4B6R | Motorcycle box configured with six M4 series, right-hand (curb side) opening |
|---|---|
| M4B6L | Motorcycle box configured with six M4 series, left-hand (road side) opening |
| M4B6B | Motorcycle box configured with six M4 series, rear opening |

M4B6R

## Windshield Light Array

- The Road King® Super-LED internal Light-Array features a steel bracket and custom molded, high impact polycarbonate housing to fit snug on the base of the windshield and holds five LINZ6™ lightheads
- The Electra-Glide® Super-LED external Light-Array features custom molded, high impact polycarbonate housing to fit snug on the base of the windshield without impeding the air duct and holds five Micron™ lightheads

| M05ZB | Windshield light array for 2007-2015 Harley-Davidson Road King. Five Blue LINZ6s |
|---|---|
| M05ZJ | Windshield light array for 2007-2015 Harley-Davidson Road King. Five LINZ6s, Blue outboard and center and two Red in the center sections |
| M06MJ | Windshield light array for 2014-2015 Harley-Davidson Electra-Glide. Five Microns, Blue outboard and center and two Red in the center sections |

M06MJ

## Siren Amplifiers and Control Head

| WPA112 | Waterproof 100 watt siren amplifier |
|---|---|
| WPA1 | Full function control head only, weather resistant for WPA amp, includes a 7-1/2' cable, for handlebar and surface mounting (motorcycle) |
| WSMIC321 | Microphone for WS321 |
| WS321B14 | WS321 siren amplifier mounting only, Black for 2014-2015 Harley-Davidson Road King and Electra-Glide |

WPA1 with WSMIC321

## Sirens and Speakers

# CanTrol™ WC Light and Siren Integration System

- 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 CanTrol software
- Easy to configure using Windows application program via USB
- 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.
- All outputs have diagnostic indicator
- Integrated Load Manager
- Integrated Shutdown 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
- Operates one or two 100 watt siren speakers
- All outputs have both short circuit/over-current protection
- Meets or exceeds all applicable SAE, California Title XIII requirements with various Whelen speakers
- Five year warranty on amplifier

CANWC1

CANCTL1

CANCTL6

Standard Microphone

CANCTL5

| Model | Control Head | Amplifier Control Module | Traffic Advisor | Inputs | Outputs | Amps per Output | VDC | Micro-phone | Size |
|---|---|---|---|---|---|---|---|---|---|
| CANWC1 | Choice of 3 listed below | Full function | TA module for Traffic Advisors that utilize a 9C cable. No separate controller needed | 4 positive or negative, 4 positive & 3 analog; 11 total | 43 | 32 @ 2.5A 3 @ .25A 8 programmable @ 10A | 12.5 | Standard with 20' extension cable included | 3-1/8" (79mm) H x 7-5/8" (194mm) D x 11-1/2" (289mm) W |

| Option Model | Control Head Options | Size |
|---|---|---|
| CANCTL1 | Includes 3-position slide switch, 18 push-buttons, standard microphone with extension cable | 3-1/2" (89mm) H x 1-5/16" (33mm) D x 6-7/8" (174mm) W |
| CANCTL5 | Includes hand held microphone and controller with 3 progressive push-buttons for light and siren control, and nine push-buttons | 5-5/16" (135mm) H x 1-1/8" (29mm) D x 2-3/16" (56mm) W |
| CANCTL6 | Includes 13 push-buttons, a 7 position rotary knob, and 3-position slide switch | 3-1/2" (89mm) H x 1-5/16" (33mm) D x 6-7/8" (174mm) W |

| Option Model | Option Description |
|---|---|
| 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 |

Sold through Authorized CanTrol distributors

## Sirens and Speakers

# CenCom® Sapphire™ Remote Light and Siren Control System

- Control warning lights, siren, and Traffic Advisor™ functions from a single keypad
- Integrated WeCan® serial port for use with WeCan lightbars and Inner Edge® lightbars
- Four positive or negative inputs, twelve outputs
- LED indicator lights for simple troubleshooting
- Easily accessible fuses and connections
- Heavy-duty power and output connectors
- Easy program configuration with CenCom Sapphire software, includes ability to configure lightbar via USB
- Each button is individually customizable
- Control head backlighting intensity can be adjusted
- Push-buttons include choice of function labels
- Available with or without integrated Traffic Advisor
- Optional 8 positive or negative input expansion module available
- Features integrated load management and shutdown delay timer
- Operates one or two 100 watt siren speakers
- Meets or exceeds all applicable SAE, California Title XIII requirements with various Whelen speakers
- Five year warranty on amplifier

CenCom Ampliflier

CCSRN3
CCSRNTA3
CCSRN3A
CCSRNT3A

CCSRN36
CCSRNT36
CCSRN3F
CCSRNT3F

Standard Microphone

CCSRN35
CCSRNT35

| Model | Control Head | Traffic Advisor | Amps per Output | VDC | Microphone | Microphone Extension | Size |
|---|---|---|---|---|---|---|---|
| CCSRN3 | 3 Position slide switch and 18 push-buttons | - | 1 @ 40A<br>2 @ 20A<br>4 @ 10 A<br>4 @ .25 A<br>1 @ 10 A Dry contact relay | 12.5 | Standard | 20' Cable included | Siren Amplifier: 3-1/8" (79mm) H x 6-3/4" (171mm) D x 8-1/4" (210mm) W |
| CCSRN3A | | | | | | | |
| CCSRNTA3 | | Includes Traffic Advisor module | | | | | |
| CCSRNT3A | | | | | | | |
| CCSRN35 | Hand held with 3 position progressive push-button switches and 9 push-buttons | - | | | Built into control head | | Hand Held Control Head: 5-5/16" (135mm) H x 1-1/8" (29mm) D x 2-3/16" (56mm) W |
| CCSRNT35 | | Includes Traffic Advisor module | | | | | |
| CCSRN36 | 3 sections with 8 push-buttons, 3 position slide switch with a 7 position rotary knob, manual airhorn, plus 3 Traffic Advisor switches | - | | | Standard | | Rectangular Control Heads: 3-1/2" (89mm) H x 1-5/16" (33mm) D x 6-7/8" (174mm) W |
| CCSRN3F | | | | | | | |
| CCSRNT36 | | Includes Traffic Advisor module | | | | | |
| CCSRNT3F | | | | | | | |

| Option Model | Option Description |
|---|---|
| CCTRIM | Trim Ring for semi-flush mounting of control head for CCSRN3,CCSRNTA3, CCSRN3A, CCSRNT3A, CCSRN36, CCSRNT36, CCSRN3F, CCSRNT3F |

## Sirens and Speakers

# Siren Amplifiers

## HHS2200

- The HHS220 is a programmable remote 200W siren/power control center with 8 high current outputs
- Programming is done on a PC or laptop and transferred via USB cable
- Hand held siren/light control with built-in microphone
- 12 illuminated push-buttons are programmable to selected outputs
- Progressive three position push buttons replace slide switch for lighting control
- Meets Class A requirements of SAE, AMECA, and California Title XIII specifications


HHS2200

## WSSC

- Combination siren and speaker in a single compact unit
- Heavy-duty 30-watt amplified siren ideal for use on motorcycles, ATVs, snowmobiles, etc.
- Hands-free operation for Wail and Yelp tones lets you keep both hands steering while accessing warning tones
- Aluminum housing plus water-resistant connectors for vibration and moisture resistance
- Model WSSPA30 with Public Address and includes plug-in microphone


WSSC30
WSSPA30

| Model | Series | Siren Type | Total Current Draw (Amps) | Output Power (Watts) | VDC | Switches | Hands Free | Siren Tones | Microphone | Mount | Size |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WSSC30 | WSS Series | Combination remote siren/ speaker | 2 | 30 | 12 | Requires customer supplied switches | Yes, for Wail and Yelp tones | 10 Plus Airhorn with override | - | 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 hand held microphone | | | | | | 10 Plus Airhorn with override and Public Address | Yes | | |
| HHS2200 | HHS Series | Hand held controller with programmable siren/light control | 8 @ 100w 16 @ 200w | 1 or 2 100 Watt speakers | | 12 Programmable push-buttons, hand held with 3 position progressive push-button switches and 9 push-buttons | Yes, via horn ring or foot switches | 4 Standard preset, including Airhorn, 37 total | | Flange mount | Amp/Relay module: 2-1/2" (65mm) H x 7" (184mm) D x 8" (203mm) W  Control head: 5-5/16" (135mm) H x 1-1/8" (28mm) D x 2-1/4" (57mm) W |

| Option Model | Option 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 |

**WHELEN**®

*Sirens and Speakers*

# 295 Series Electronic Sirens

- Meets California Title XIII and SAE J1849
- 295SSA1 can drive one 100 watt speaker. All other models can drive one or two 100 watt speakers
- Combination On/Off and horn ring transfer switch
- Solid-state over/under voltage shutdown and output short circuit protection
- Input polarity protection
- Models available with SI-TEST® a silent, self-diagnostic indicator of siren or speaker failure
- Recess or bail bracket for under dash mounting. Adjustable bail bracket allows mounting in a variety of positions
- Locking quick disconnect plug
- Siren functions are backlit for ease of visibility
- 295SL models available in 24 Volt, contact factory

295SDA1
295SSA1

295SLSA1

295SL100

295SLSA6

| Model | Siren | Control | Switches | Current output | SI TEST | Siren Tones | Warranty | Size |
|-------|-------|---------|----------|----------------|---------|-------------|----------|------|
| 295SDA1 | Dual toned 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 8-10 Amp | - | 20 Scan-Lock™ Includes radio repeat and PA | 2 Year | Control Head: 3-1/2" (89mm) H x 1-1/4" (32mm) D x 6-7/8" (219mm) W Amplifier: 2-1/4" (57mm) H x 7-1/8" (189mm) D x 8-5/8" (219mm) W |
| 295SSA1 | Single tone programmable remote amplifier and control head with lights and siren control | 1 Siren amplifier, supports 100 watt speakers | | | | | | |
| 295SLSA1 | Self-contained | Selectable 100 or 200 watt speakers | 7 Position tone rotary knob with volume control knob | - | Yes | 17 Scan-Lock | 5 year HDP® Heavy-Duty Professional | 2-1/2" (64mm) H x 6" (152mm) D x 5-1/2" (140mm) W |
| 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 buttons | High current | | 17 Scan-Lock Includes radio repeat and PA | | 3-5/16" (84mm) H x 7" (178mm) D x 6" (152mm) W |
| 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 Year | 2-1/2" (64mm) H x 5-1/2" (140mm) D x 6" (152mm) W |
| 295SL101 | | | 7 Position tone rotary knob with manual tone button and volume control knob | | | | | |

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

## Sirens and Speakers

# Alpha™ and Beta™ Siren Amplifiers

- 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

ALPHA12S

ALPHASL

BETA2

BETA112R

| Model | Series | Siren Type | Output Power | 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 | 2-1/2" (64mm) H x 4-5/8" (117mm) D x 6" (152mm) W |
| ALPHASL | | Remote | 100 or 200 watts | | Requires separate switches | | 15 Scan-Lock | | Base mount flange | 2-1/4" (54mm) H x 4-3/4" (120mm) D x 5" (127mm) W |
| BETA112R | Beta Series | Remote amplifier only | 100 watts | | | | 5 Includes radio repeat and PA | Yes | | 2-3/8" (60mm) H x 5-1/2" (140mm) D x 7-1/8" (181mm) W |
| BETA2 | | Control head only  Requires BETA112R remote amplifier (purchased separately) | | | 7 Position tone rotary knob, volume control knob, lights/siren toggle switch and manual/airhorn toggle switch | | | | Surface or recess | 1-3/4" (44mm) H x 2" (64mm) D x 4-1/4" (108mm) W |

| Option Model | Series | Option 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) |

WHELEN®

## Sirens and Speakers

# Siren System and Speakers

## Howler™ Series

- 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 and one or two speakers
- Works with most siren amplifiers
- Eight selectable tone durations

HOWLER

## SA315 Speaker

- SA315P Series high performance multi-port speaker
- For bumper, concealed, or flange mount
- Installs to vehicle's cross member in minutes

SA315P

| Model | Series | Speaker Type | No. of Speakers | Output Power | VDC | Housing | Mount | 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 | See below | Speaker: 7-1/4" (184mm) Dia. x 8-3/8" (213mm) D  Amplifier: 2-1/4" (57mm) H x 4-3/4" (121mm) D x 5" (127mm) W |
| HWLUNI | | | 1 | 100 Watts | | | Includes universal mounting bracket | |
| HWLCC11 | | | | | | | Includes bracket for Chevy Caprice, 2012-2015 | |
| HWLFT11 | | | | | | | Includes bracket for Ford Taurus, 2010-2015, Police Interceptor, 2013-2015 | |
| HWLFE13 | | | | | | | Includes bracket for Ford Explorer & Utility 2013-2016 (with Fog Lights) | |
| HWLDC15 | | | | | | | Includes bracket for Dodge Charger, 2015 | |
| SA315P | Projector™ Series | High performance multi-port | | | | Black nylon composite | See below | 6-1/2" (165mm) H x 2-7/8" (74mm) D x 6-7/16" (164mm) W |

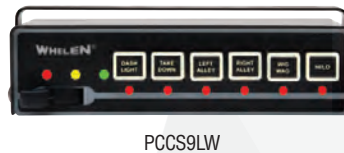| Option Model | Series | Option Description |
|--------------|--------|--------------------|
| HWLRB2 | Howler | Bracket for Ford Expedition, 2008-2014 |
| HWLRB4 | | Bracket for Ford E-Series, 2008-2015 |
| HWLRB7 | | Bracket for Chevy Impala, 2008-2015 |
| HWLRB11 | | Bracket for Chevy Express G-Series, 2011-2015 |
| HWLRB13 | | Bracket for Ford Explorer, 2011-2016, Utility Police Interceptor, 2013-2016* |
| HWLRB14 | | Bracket for Dodge 4500, 2011-2015 |
| HWLRB19 | | Bracket for Chevy Silverado 1500, 2014-2015 |
| HWLRB20 | | Bracket for Chevy Tahoe, 2015 |
| HWLRB21 | | Bracket for Ford Taurus, 2010-2015, Police Interceptor, 2013-2015 |
| HWLRB22 | | Bracket for Ford F-250/F-350, 2011-2015 |
| HWLRB23 | | Universal mounting brackets, pair |

| Option Model | Series | Option Description |
|--------------|--------|--------------------|
| SAK1 | SA315P Projector | Universal "L" bracket |
| SAK23 | | Ford Expedition, 2007-2015 |
| SAK37 | | Dodge Charger, 2011-2015 |
| SAK39 | | Ford Taurus, 2010-2015, Police Interceptor, 2013-2015 |
| SAK44 | | Ford Explorer, 2014-2016, Police Interceptor Utility, 2012-2016 |
| SAK45 | | Chevy Caprice, 2011-2015 |
| SAK46 | | Chevy Impala, 2012-2015 |
| SAK51 | | Ford Explorer, 2014-2016, Police Interceptor Utility, 2012-2016, passenger side, lower grille |
| SAK52 | | Ford Explorer, 2014-2016, Police Interceptor Utility, 2012-2016, driver side, lower grille |
| SAK55 | | Chevy Suburban/Tahoe, 2015, passenger side |
| SAK56 | | Chevy Suburban/Tahoe, 2015, driver side |

Consult price list for a complete list of brackets
* 2016 without Fog Lights only

## Switches

# Power Control Centers and Switches

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


PCCS9RW


PCCS9LW


WCC9
WCC92

| 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®, and Freedom IV WeCan Lightbars | | | | | |

| 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 | | | - |
| PC3 | | On/Off/On | | SPDT | Yes |
| PC4 | | On/On | | | - |
| PC5 | | On/Off/On | | DPDT | |

*Flashers*

# Headlight/Grille, Taillight Flashers

- Solid-state controlled relay output
- Molded polycarbonate housing
- Fully encapsulated for moisture, vibration, and corrosion resistance
- SSFPOSI6 is for the 2006-2015 Chevy Impala, 2011-2015 Chevy Caprice, and 2007-2015 Chevy Tahoe Police Package vehicles
- Two year warranty

SSFP0S

UHF2150A

SSFP0S

| Model | Usage | Lamp Load Type | Headlight Switching | Output Driver | Outlets | Outlet Switching | Watts per Outlet | VDC | Flash Patterns | Size |
|---|---|---|---|---|---|---|---|---|---|---|
| SSFPOS | Headlight/ grille light | Halogen, LED, or Super-LED® | Positive | 100% solid-state | 2 Outlets | 1x1 | 160 | 12 | 7 | 7/8" (22mm) H x 2" (50mm) W x 2-3/4" (70mm) D |
| UHF2150A | | | Positive or negative | Relay | | | 162 | | 4 | 1-1/2" (38mm) H x 4-1/4" (108mm) W x 3" (76mm) D |
| SSFPOSI6 | Headlight/ taillight | | Positive | 100% solid-state | | | 160 | | 7 | 7/8" (22mm) H x 2" (50mm) W x 2-3/4" (70mm) D |

# 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

## PEIMCT13

- For the 2013 Chevy Tahoe and 2013-2015 Caprice
- Switches four negative inputs to positive inputs
- Vehicle Speed Sense feature

## PEIMFI13

- For the 2013-2015 Ford Police Interceptor Sedan or Utility
- Steering Wheel Auxiliary Switch Interfacing will convert the Ford auxiliary switch signals from ground to positive 12 volt, simplifying installation with Whelen CenCom Sapphire™ or CanTrol® WC. Changing these signals allows the end user or installer to forego using external relays when integrating CenCom™ and CanTrol
- Vehicle Speed Sense feature
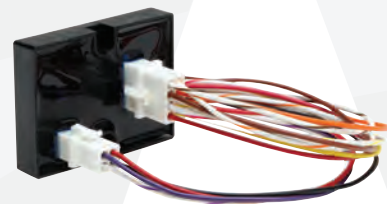
# *Lighting Certifications*

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

### *Warning Lamps and Devices*

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

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

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

### *Test Procedures and Materials*

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

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

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

### *Signalling and Marking Lighting Devices and Systems*

**I** ..... **FMVSS108** - Federal Motor
Vehicle Safety Standards

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

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

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

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

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

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

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

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

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

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

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

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

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

**V** .... **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)

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

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

## *Product Index*

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