



2015 FIRE/EMS

Professional Warning & Illumination




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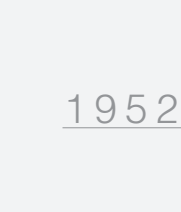
1952-1978



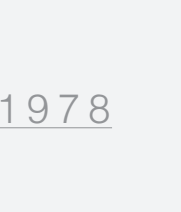
1952 George W. Whelen invents the first rotating aircraft "anti-collision" beacon in his garage in Deep River, Connecticut.




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



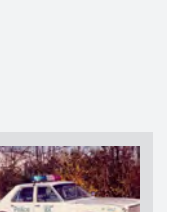
1963 Whelen becomes the first in the industry to utilize strobe light technology.



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.

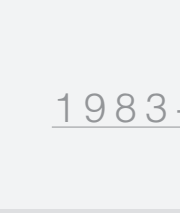


1978 The 8000 Series, a strobe enclosed crossbar, is released.

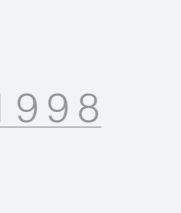
1983-1998



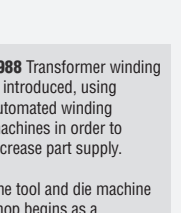
1983 Whelen introduces the low profile Edge 9000®, the first fully enclosed lightbar with an aluminum I-Beam construction.



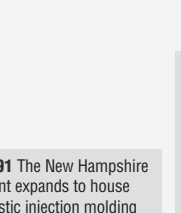
1984 Whelen moves from Deep River, Connecticut to its current Corporate Headquarters in Chester, Connecticut.



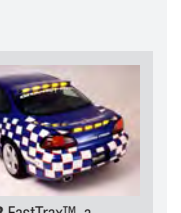
1987 A second manufacturing plant is added in Charlestown, New Hampshire.



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



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.



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

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



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.



2013 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 SportsCar Championship season.







F4W0RRRR
with available options

NEW Freedom® IV DYAD™ Series

Features

- Linear Super-LED® technology
- WeCan® DYAD two level technology (single or two color) allows for individual control of each level of each lighthouse
- Low Current DYAD two level technology (single color) allows for individual control of each lighthouse
- Add up to 16 optional Linear Super-LED directional modules
- 100% solid-state electronics
- Hard-coated lenses resist environmental damage from the sun, salt, and road chemicals
- 17' passenger side cable
- Many options available; consult current price list or WeCad™ software
- Five year HDP® Heavy-Duty Professional warranty

Specs

- 12 VDC
- Amps - 8/peak and 3.2/avg per corner
- SAE Class 1 Certified
- Size: 3-3/4" (95mm) H x 12-1/2" (318mm) D

Models

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

Low Current Models (Single Color Modules)

- F4X4**** - 44-1/2" (113cm)
- F4X8**** - 49-1/4" (125cm)
- F4X2**** - 55" (140cm)
- F4X0**** - 60" (152cm)
- F4X7**** - 72" (183cm)

Replace * in model number with color desired:
A=Amber; R=Red; B=Blue; C=White

Note: 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 call your Whelen sales representative and place your order. All lightbar orders require a WeCad drawing. The program is available at: www.whelen.com - Automotive - Tech Support - Software downloads - WeCad Lightbar Designer

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Control Centers
and Switches





Rota-Beam half rotator light module

Freedom® Rota-Beam™ Series

Features

- Rotating Super-LED® technology
- Models include four half corner LED modules; multiple inboard options available
- 100% solid-state electronics, no moving parts
- Hard-coated lenses resist environmental damage from the sun, salt, and road chemicals
- 20' passenger side cable
- Standard switching
- Many options available; consult current price list or WeCad software
- Five year HDP® Heavy-Duty Professional warranty

Models

- FR4**** - 44-3/8" (113 cm)
- FR8**** - 49-3/4" (126 cm)
- FR2**** - 55-1/8" (140 cm)
- FR0**** - 60" (152 cm)
- FR7**** - 72" (183 cm)

Replace * in model number with color desired:
A=Amber; R=Red; B=Blue; C=White

Specs

- 12 VDC
- Amps - 2.2/avg
- SAE Class 1 Certified
- Size: 3-3/4" (95mm) H x 12" (304mm) D

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Liberty™ II Series (Patent Pending)

SOLO™ - Single color

DUO+™ - Single color or two color interleaved

Available in Low Current or WeCan®

Features

- Advanced Thermal Design reduces the stress on LEDs during extended dwell time
- Optional Photocell automatically dims the lightbar at night and still meets SAE Class 1 requirements in low power mode
- 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 the sun, salt, and road chemicals
- Plug & Play into Whelen WeCan controllers
- Available with standard or low profile mounting feet
- Available with Clear, smoked, or colored lenses
- Many options available; consult current price list or WeCad™ software
- Five year HDP® Heavy-Duty Professional warranty

Specs

- 12 VDC
- SOLO Corner Amps - 1.75/peak 0.7/avg per corner
- DUO+ Corner Amps (each color) - 1.31/peak 0.53/avg per corner
- SAE Class 1 Certified
- Size: 2-1/2" (64 mm) 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 and/or White

IB8#### - 48" (123cm) DUO+ Color, Red, Blue, Amber and/or White

IB2#### - 54" (136cm) DUO+ Color, Red, Blue, Amber and/or White

Replace * in model number with 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, H=Green/Clear, J=Red/Blue, K=Red/Amber, L=Red/Green, M=Blue/Amber.

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GB8RRBB
shown with optional inboard
modules and work lights

Legacy® SOLO™ Series

Features

- Photocell is optional
- 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
- Clear outer lenses standard (available with smoked or colored lenses)
- Many options available; consult price list and/or WeCad™ software
- Five year HDP® Heavy-Duty Professional warranty

Specs

- 12 VDC
- SOLO Corner Amps- 1.85/peak 0.75/avg per corner
- SAE Class 1 Certified
- Size: 1-5/8" (41mm) H x 11-5/16" (287mm) D

Models

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

Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White

Additional models available, contact factory

WeCan models allow for front and rear Traffic Advisor™ function

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Legacy DUO+™ Series

Features

- DUO+ Linear Super-LED®
- All warning lighthoods 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
- Optional Photocell automatically dims the lightbar at night and still meets SAE Class 1 requirements in low power mode
- Plug & Play into Whelen WeCan® controllers
- Clear outer lenses standard (available with smoked lenses)
- Many options available; consult price list and/or WeCad software
- Five year HDP Heavy-Duty Professional warranty

Specs

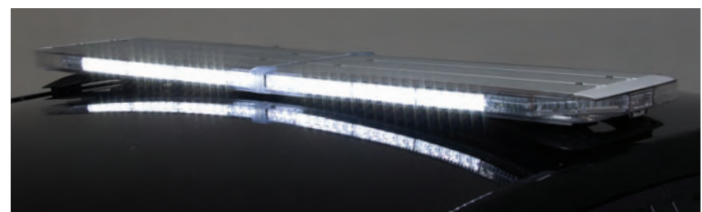
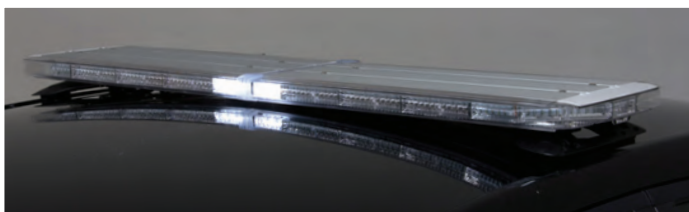
- 12 VDC
- DUO Corner Amps (each color) - 1.5/peak 0.6/avg per corner
- SAE Class 1 Certified
- Size: 1-5/8" (41mm) H x 11-5/16" (287mm) D

Models

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

Replace * in model number with 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, H=Green/Clear, J=Red/Blue, K=Red/Amber, L=Red/Green, M=Blue/Amber

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Justice® Series

Features

- CON3™ directional modules have removable optic spreading filter
- Front, rear and all bar operation control
- Easily upgraded or service in the field
- 15' passenger side exit cable
- Features Scan-Lock™ flash patterns, low power operation and pattern override
- Many options available, consult price list and/or WeCad™ software
- Five year HDP® Heavy-Duty Professional warranty

Specs

- 12 VDC
- Extended Linear-LED LIN9 Corner Amps - 1.5/peak 0.6/avg per corner
- Standard Linear-LED LIN6 Corner Amps - 1/peak 0.4/avg per corner
- SAE Class 1 Certified
- Size: 2-1/4 (57mm) H x 12" (304mm) D

Models

Extended Linear-LED LIN9 Corners

- JC4**** - 44" (112 cm)
- JC8**** - 50-1/8" (132 cm)
- JC2**** - 56-1/4" (152 cm)

Standard Linear-LED Corners

- JE4**** - 44" (112 cm)
- JE8**** - 50-1/8" (132 cm)
- JE2**** - 56-1/4" (152 cm)

Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White

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F4N2VLED



F4NMINI



JE2NFPA



JNMINI

NFPA Lightbars

- **NEW** Newly designed Freedom® IV platform now available
- Designed exclusively for the rigorous standards of the Fire/EMS market
- Meets zone "A" upper requirements of NFPA 1901 specifications
- For complete details and models, request the current NFPA 1901 Specifications Handbook
- Five year HDP® Heavy-Duty Professional warranty

Model	Series	Length	Size H x D	Corner Angle	Corner Module	Inboard Lighting	Alley Position	Mount	Control	VDC	Patterns	Base	Lenses
F4N2VLED	Freedom IV LC	55" (140cm)	3-3/4" (95mm) H x 12-1/2" (318mm) D	V End	2 Front, 2 Rear, Red	4 Front, 2 Red, 2 White	-	Permanent	Low current	12	12	Extruded aluminum	Clear outer, Optional color filters
F4N0VLED		60" (152cm)											
F4N7VLED		72" (183cm)											
F4N1VLED		81" (206cm)											
F4N9VLED		92" (234cm)											
F4N2QLED		55" (140cm)		Square End	2 Front, Red	2 Red							
F4N0QLED		60" (152cm)											
F4N7QLED		72" (183cm)											
F4N1QLED		81" (206cm)											
F4N9QLED		92" (234cm)											
F4NMINI	Mini Freedom IV (Pair)	22" (56cm)	2-1/4" (57mm) H x 12" (304mm) D	V End	2 Front, Red (each bar)	2 Front, White (each bar)	1 Red (each bar)	58					
JE8NFPA	Justice® CS	50" (127cm)							V End	2 Front, 2 Rear, Red	6 Front CON3™, 4 Red, 2 White	-	52
JE2NFPA		56" (142cm)											
JE0NFPA		62" (157cm)											
JE2QNFP		56" (142cm)											
JE0QNFP		62" (157cm)											
JNMINI	Mini Justice (Pair)	22" (56cm)	V End	2 Front, 1 Rear, Red (each bar)	2 Front, CON3, 1 Red, 1 White (each bar)	-	79						

Note: 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 call your Whelen sales representative and place your order. All lightbar orders require a WeCad drawing. The program is available at: www.whelen.com - Automotive - Tech Support - Software downloads - WeCad Lightbar Designer

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4500 Build-A-Bar Series

- Color or Clear outer lens
- Anodized aluminum extrusion
- Available with or without SAE compliant front and rear LED ICC clearance lights
- Pre-configured KKK compliant packages available
- Five year HDP® Heavy-Duty Professional warranty

Model	Length	Size	ICC Light
45B±±	20" (51cm), 22" (56cm), 38" (96cm), 44" (112cm), 52" (132cm), 60" (152cm), 72" (183cm), 76" (193cm), 78" (198cm), 82" (208cm), 84" (213cm), 86" (218cm), 88" (224cm), 90" (228cm), 92" (233cm), 94" (239cm), 96" (244cm), 98" (249cm)	4-7/8" (124mm) H x 5-1/4" (133mm) D	-
45B±±*			Amber front, Red rear

Replace ±± in model number with length desired. Replace * in model number with color desired: A=Amber; R=Red

Components



Building your 4500 lightbar is easy with Whelen's WeCad™ Lightbar Designer program

Go to www.whelen.com - Automotive - Tech Support - Software downloads, and download "WeCad™ Lightbar Designer". The WeCad Program will prompt you as to which modules and how many may be used together, along with a suggested retail price as you go.

- Choose front or rear facing bar and length
- Add ICC light if desired
- Choose light modules
- Select light module color





RP34



OE45UR6

Outer Edge® Series

Features

- Available in Red, Amber, Blue or White
- Lightheads are fully encapsulated for moisture, vibration and corrosion resistance
- 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 ABS housings conform to vehicle back pillars
- Three Micron lightheads mount above each brake/tail/turn assembly

Model	Type	Technology	Lightheads	Vehicle	VDC	Patterns
OE45UR6	Rear facing	Warning	3 OEMCRN Micron lamps per section	Chevy Tahoe, 2015	12	25 Scan-Lock™
OE34UR6				Ford Explorer, 2011-2015		
OE45UR6T		Traffic Advisor		Chevy Tahoe, 2015		
OE34UR6T				Ford Explorer, 2011-2015		
RP45	Rear pillar	Warning	3 OEMCRN Micron lamps per section	Chevy Tahoe, 2015	12	25 Scan-Lock™
RP34				Ford Explorer, 2011-2015		

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

Inner Edge®

- Meets SAE Class 1 and California Title XIII specifications
- Extra low profile, fully featured interior lightbars designed to blend with vehicles existing interior
- Five year HDP® Heavy-Duty Professional warranty



NEW RTX model IE45UR8

NEW RTX Series

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

XLP Series

- NEW 2015 Ford F-150 models now available
- Available in 3-LED and 6-LED DUO™ models
- DUO technology features different color LEDs in the same module, allowing individual control of each color
- Requires customer supplied switches or control head, purchased separately



XLP two piece

NEW RTX Models	
IE45UR8	Chevy Tahoe/ Suburban, 2015, upper rear housing for six or eight modules
IE34UR8	Ford Explorer, 2011-2015, upper rear housing for six or eight modules

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

RTX Lighthoods	
IES*	One SOLO lighthouse, Red, Blue, Amber, or White
IED#	One DUO+ lighthouse, Red, Blue, Amber, and/or White
IETRBA	One TRIO lighthouse, Red/Blue/Amber
IETRCA	One TRIO lighthouse, Red/White/Amber
IETBCA	One TRIO lighthouse, Blue/White/Amber
IETRBC	One TRIO lighthouse, Red/Blue/White

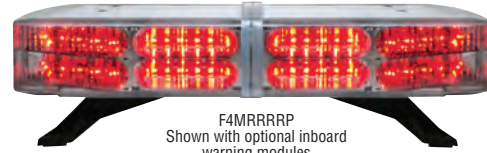
Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White
 Replace # in model number with interleaved color desired D=Red/White, E=Blue/White, F=Amber/White, H=Green/Clear, J=Red/Blue, K=Red/Amber, L=Red/Green, M=Blue/Amber

XLP Models - Descriptions - Lamp Type	Chevrolet		Dodge		Ford				
	Suburban/Tahoe 2015 Silverado 1500/2500/3500 2014-2015	Suburban/Tahoe 2009-2014 Silverado 1500/2500 2008-2013	Dodge Ram 2011-2015	Dodge Durango 2013-2015	Explorer 2011-2015 Utility Interceptor 2013-2015	F150 2012-2014	F150 2015	F250/F350 2012-2015	Expedition 2013-2014
UPPER FRONT SERIES - 3-LED									
Five lamp, upper front passenger side unit only, with one LED flashing/take-down	IX45UF5P	IX13UF5P	IX42UF5P	IX44UF5P	IX34UF5P	IX41UF5P	IX47UF5P	IX39UF5P	IX08UF5P
Six lamp, upper front passenger side unit only (no take-down)	IX45UF6P	IX13UF6P	IX42UF6P	IX44UF6P	IX34UF6P	IX41UF6P	IX47UF6P	IX39UF6P	IX08UF6P
Ten lamp, upper front two piece unit, individual driver and passenger side units, with two LED flashing/take-downs	IX45UFZ	IX13UFZ	IX42UFZ	IX44UFZ	IX34UFZ	IX41UFZ	IX47UFZ	IX39UFZ	IX08UFZ
Twelve lamp, upper front two piece unit, individual driver and passenger side units (no take-downs)	IX45UFX	IX13UFX	IX42UFX	IX44UFX	IX34UFX	IX41UFX	IX47UFX	IX39UFX	IX08UFX
DUO 6-LED UPPER FRONT SERIES - WeCad®									
Six 6-LED DUO lamps, upper front passenger side unit only	IW45UF6P	IW13UF6P	IW42UF6P	IW44UF6P	IW34UF6P	IW41UF6P	IW47UF6P	IW39UF6P	IW08UF6P
Twelve 6-LED DUO lamps, upper front two piece unit, individual driver and passenger side units	IW45UFX	IW13UFX	IW42UFX	IW44UFX	IW34UFX	IW41UFX	IW47UFX	IW39UFX	IW08UFX
DUO 6-LED UPPER FRONT SERIES - LOW CURRENT									
Six 6-LED DUO lamps, upper front passenger side unit only	ID45UF6P	ID13UF6P	ID42UF6P	ID44UF6P	ID34UF6P	ID41UF6P	ID47UF6P	ID39UF6P	ID08UF6P
Twelve 6-LED DUO lamps, upper front two piece unit, individual driver and passenger side units	ID45UFX	ID13UFX	ID42UFX	ID44UFX	ID34UFX	ID41UFX	ID47UFX	ID39UFX	ID08UFX

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NEW Mini Freedom® IV Series

- **SAE Class 1 Certified**
- **Four Linear-LED® corner modules**
- **Add up to 4 additional inboard Super-LED® modules. Take-down and alley lights for permanent mount only**
- **Clear outer domes with Clear dividers**
- **Available in Amber, Blue, Red, and White**
- **Five year HDP® Heavy-Duty Professional warranty**



Model	Technology	Mount	Amps	VDC	Patterns	Base	Lens	Size
F4M****P	Linear-LED	Permanent	8/peak 3.2/avg per corner	12	58 Scan-Lock	Extruded aluminum	Clear	3-3/4" (95mm) H x 12-1/2" (318mm) W x 21-1/2" (546mm) L
F4M****M		Magnetic						

Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White

Option Model	Option Description
F4DL *	One single long 12 Super-LED lighthouse, Amber, Blue, Red, or White for permanent or magnetic mount
For Permanent Mount Only	
F4MA3	Two 3-LED Super-LED alley lights, includes harnesses
F4MA6	Two 6-LED Super-LED alley lights, includes harnesses
F4MTL3	Two 3-LED Super-LED long take-down lights, includes harnesses

Option Model	Option Description
For Permanent Mount Only	
F4MTL6	Two 6-LED Super-LED long take-down lights, includes harnesses
F4MTATL3	Two 3-LED Super-LED alley lights and two 6-LED Super-LED long take-down lights, includes harnesses
F4MTATL6	Two 6-LED Super-LED alley lights and two 6-LED Super-LED long take-down lights, includes harnesses

Mini Freedom Rota-Beam™ Series

- **SAE Class 1 Certified**
- **100% solid-state Rota-Beam modules give the sweeping effect of a traditional halogen rotator without the mechanical and bulb failures**
- **Models with two or four Rota-Beam corner modules**
- **Cruise light standard for corner modules**
- **Color or Clear lenses**
- **15' cable standard**
- **Available in Amber, Blue, and Red**
- **Five year HDP Heavy-Duty Professional warranty**



Model	Technology	Mount	Amps	VDC	Patterns	Base	Lens	Size
FB8****P	Rotating Super-LED	Permanent	2.2/peak 1.1/avg per rotator	12	10 Scan-Lock™	Extruded aluminum I-Beam	Clear, color available	3-3/4" (95mm) H x 12" (304mm) W x 28-1/4" (717mm) L
FB8*0*0P	Rotating Super-LED forward facing							

Replace * in model number with color desired: A=Amber; R=Red; B=Blue

Option Model	Option Description
FRB*	One Rota-Beam module for inboard, front or rear, available in Amber, Red, Blue or White
FRALF1	Two LR11 alley lights with 15° horizontal adjustment
FRALF1D	Two dual LR11 alley lights with horizontal adjustment

Option Model	Option Description
FRTL1S1	Two LR11 work lights with 15° horizontal adjustment
FRALF1D	Two dual LR11 work lights with horizontal adjustment

THE USE OF ANY MAGNETIC OR MAGNETIC/SUCTION MOUNTED WARNING BEACON ON THE OUTSIDE OF A MOVING VEHICLE IS NOT RECOMMENDED AND IS AT THE SOLE RISK OF THE USER.

Mini Liberty™ II Solo Series



- **SAE Class 1 Certified**
- Permanent mount includes low profile mounting kit
- Permanent mount includes 15' cable
- Magnetic mount includes 90 lb. pull magnets
- Magnetic and magnetic/suction mounts include 10' cord, cigar plug with On/Off switch with LED "On" indicator, and flash pattern switch
- Clear outer lenses standard (optional color lenses available)
- Available in Amber, Blue, Red and White
- Five year HDP® Heavy-Duty Professional warranty



IT9RRRRP
Shown with optional inboard warning modules

Model	Technology	Mount	Amps	VDC	Patterns	Base	Lens	Size
IT9****P	Linear-LED®	Permanent	4/peak 2/avg (4 corners only)	12	58 Scan-Lock™	Extruded aluminum	Clear, color available	2-1/2" (64mm) H x 11-5-16" (287mm) W x 19-6/16" (490mm) L
IT9****M		Magnetic						
IT9****V		Magnetic/suction						

Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White;

Option Model	Option Description
IWDS*	One single color short 3 Super-LED lighthead
ITTS	Two short Super-LED® work lights, for permanent mount only

Option Model	Option Description
ITA	Two Super-LED alley lights, for permanent mount only
ITTSA	Two short Super-LED work and alley lights, for permanent mount only

Mini Legacy® Series

- **SAE Class 1 Certified**
- Standard permanent mount model provides low power and individual control of front corner, rear corner and optional inboard modules
- One piece UNI-DOME construction with single sealing point
- Permanent mount includes 15' cable
- Magnetic mount includes 90 lb. pull magnets
- Magnetic and magnetic/suction mounts include 10' cord, cigar plug with On/Off switch with LED "On" indicator, and flash pattern switch
- Clear outer lenses standard (optional color lenses available)
- Available in Amber, Blue, Red and White
- Five year HDP Heavy-Duty Professional warranty



GT9RRRRM
Shown with optional inboard warning modules

Model	Technology	Mount	Amps	VDC	Patterns	Base	Lens	Size
GT9****P	Linear-LED	Permanent	3.72 all on, 1.86 per alternating side	12	58 Scan-Lock	Extruded aluminum	Clear, color available	1-5/8" (41mm) H x 11-5/16" (287mm) W x 19-6/16" (490mm) L
GT9****M		Magnetic						
GT9****V		Magnetic/suction						

Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White

Option Model	Option Description
GSDS*	One single color short 3 Super-LED lighthead
GTTS	Two short Super-LED work lights, for permanent mount only

Option Model	Option Description
GTA	Two Super-LED alley lights, for permanent mount only
GT TSA	Two short Super-LED take down and alley lights, for permanent mount only

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Mini Justice® Series

- **SAE Class 1 Certified**
- Super-LED® CON3™ inboard modules and Linear Super-LED corners
- Permanent models includes 15' cable, magnetic and magnetic/suction mount with 10' cord, cigar plug with On/Off switch with LED "On" indicator, and Scan-Lock™ flash pattern switch
- Low profile, only 2-1/4" high
- Available in Amber, Red, Blue and White
- Five year HDP® Heavy-Duty Professional warranty



MJYRRBBM

Model	Technology	Mount	Amps	VDC	Patterns	Base	Lens	Size
MJY****P	Linear-LED	Permanent	4/peak 1.6/avg (4 corners only)	12	79 Scan-Lock	Extruded aluminum	Clear, color available	2-1/4" (57mm) H x 12" (304mm) W x 22" (558mm) L
MJY****M		Magnetic						
MJY****V		Magnetic/suction						

Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White

Option Model	Option Description
JDC*	One CON3 Super-LED module
JDH*	One LTR3™, Super-LED module. For use with MJTDAL only

Option Model	Option Description
MJTDALL1	Four LR11 Super-LEDs, two steady-burn work lights, and steady-burn alley lights with 15° horizontal adjustment, for permanent models only (Replaces MJTDAL)

Responder® HD Series

- **SAE Class 1 Certified**
- Universal permanent mount version easily retrofits most competitive model footprints
- Permanent bolt mount versions include 6" pigtail; magnetic mount and magnetic/suction versions include: 10' straight cord with cigar plug with LED on indicator, On/Off switch and pattern control switch
- Available in Amber, Red, Blue and White
- Five year HDP Heavy-Duty Professional warranty



R10HDVB

Model	Technology	Mount	Lamps	Amps	VDC	Patterns	Base	Size
R10HDP*	Duplex Linear-LED	Permanent	6 400 Series Linear-LED®	9/peak 3.6/avg	12	54 Scan-Lock	Aluminum	5-1/8" (130mm) H x 6-5/16" (160mm) W x 17-1/4" (438mm) L
R10HDM*		Magnetic						
R10HDV*		Magnetic/suction						

Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White

Option Model	Option Description
RDXMM90	90 lb. pull magnet mount kit with cigar plug
INSTLRDX	Installation of RDXMM90 (for permanent mount only)

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Responder® LP Series

- **SAE Class 1 Certified**
- **Super-LED®** low profile linear (LIN6™) or conical (CON3™) mini lightbar
- **Polycarbonate dome**
- **Available with extruded aluminum base or polycarbonate base**
- **Available in permanent, magnetic and magnetic/suction mount models**
- **Color outer dome standard on single color models, Clear outer dome standard on two color models**
- **DUO™** technology model has different color LEDs in the same module allowing lightbar to flash different colors
- **Five year HDP® Heavy-Duty Professional warranty**



Model	Series	Color	Mount	Base	Technology	Amp	VDC	Patterns	Lens	Size
R1LPP*	R1LP	A, R, B	Permanent	Polycarbonate	CON3 Super-LED	3/peak 1.2/avg	12	54 Scan-Lock™	Clear, color available	2-7/8" (73mm) H x 6-5/16" (160mm) W x 17" (431mm) L
R1LPM*			Magnetic							
R1LPV*			Magnetic/suction							
R1LPHP*			Permanent	Aluminum						
R1LPHM*			Magnetic							
R1LPHV*			Magnetic/suction							
R2LPP*	R2LP	A, R, B	Permanent	Polycarbonate	Linear-LED®	6/peak 2.4/avg	12	54 Scan-Lock™	Clear, color available	2-7/8" (73mm) H x 6-5/16" (160mm) W x 17" (431mm) L
R2LPM*			Magnetic							
R2LPV*			Magnetic/suction							
R2LPHP*			Permanent	Aluminum						
R2LPHM*			Magnetic							
R2LPHV*			Magnetic/suction							
R2LPPA4	A	A	Permanent		3/peak 1.2/avg	24	36 Scan-Lock	Clear	3-1/4" (82mm) H x 6-5/16" (160mm) W x 17" (431mm) L	
R2LPMA4			Magnetic							
RDLPPAB	DUO	A/B	Permanent	Polycarbonate		6/peak 2.4/avg	12	36 Scan-Lock	Clear	2-7/8" (73mm) H x 6-5/16" (160mm) W x 17" (431mm) L

Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White; G=Green
 To order multi color LP Series, use R1\$\$\$00 and R2\$\$\$00. Replace § with number of color modules wanted. Order of colors is Red, Blue, Amber, White.

Rota-Beam™ RB6 Series

- SAE Class 1 Certified (Amber)
- Rotating halogen beacon
- Available in permanent/pipe mount
- Available in Amber, Red, and Blue
- Three year warranty on motor assembly.



RB6T



Model	Reflector	Mount	Base	Amps	Candlepower	VDC	FPM	Bulb	Certifications	Size
RB6T*P	Dual	Perm/pipe	Polycarbonate	4.5	60,000	12	130	60 Watt snap-in	W (A/R) SAE Class 1 (A/R)	6-3/4" (172mm) H x 7-7/8" (200mm) Dia.

Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White; G=Green

Option Model	Option Description
WMM6K	Magnet mount kit

Rota-Beam R316 & R416 Series

- SAE Class 1 Certified
- Medium profile, smooth polycarbonate outer dome
- 100% solid-state electronics, no moving parts
- Conformal coated electronics for moisture and vibration resistance
- Cruise light feature
- Available in permanent, magnetic and magnetic/suction mount models
- Synchronizable with up to 8 other Whelen Synchronous products
- Available in Amber, Red, Blue and White
- Five year HDP® Heavy-Duty Professional warranty



R316RF



R416BF

Model	Series	Color	Mount	Base	Amps	VDC	Dome	Flash Patterns	Certifications	Size	
R316*F	R316	Single	Permanent	Powder coated die-cast base	2.2	12 24V models available	Color	32 Scan-Lock™ with varying rotating flash rates	W (A/R) SAE Class 1	4" (102mm) H x 7-3/16" (183mm) Dia.	
R316*M			Magnetic								Clear
R316*V			Magnetic/suction								
R316**F		Split front & rear	Permanent				Color				
R316**M			Magnetic								
R316**V			Magnetic/suction								
R416*F	R416	Single	Permanent	Powder coated die-cast base	2.2	12 24V models available	Color	32 Scan-Lock™ with varying rotating flash rates	W (A/R) SAE Class 1	4-7/8" (123mm) H x 6-7/16" (163mm) Dia.	
R416*M			Magnetic								Clear
R416*V			Magnetic/suction								
R416**F		Split front & rear	Permanent				Color				
R416**M			Magnetic								
R416**V			Magnetic/suction								

Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White

Option Model	Option Description
RPHOTO	Photocell for Hi/Low power

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L31 & L32 Super-LED® Series

- SAE Class 1 Certified (Amber)
- L31CA models meet California Title XIII (Amber)
- L31 and L31HRFN are certified to meet NFPA Zone C Upper requirements in Red
- Powder coated die-cast base
- Conformal coated electronics for moisture and vibration resistance
- Alternately or simultaneously flash multiple patterns (Cross-Link™) with up to 8 Whelen Super-LED 360° beacons (perm mount)
- Available in Amber, Red, Blue and White
- Five year HDP® Heavy-Duty Professional warranty



Model	Mount	Profile	Base	Amps	Patterns	VDC	Control	Certifications	Size
L31H*F	Permanent	High	Die cast aluminum	4/peak 1.6/avg	Permanent mount 30 built-in Scan-Lock™ flash patterns plus 4 simulated rotating patterns	12	Hi/Low control	W (A/R)	4-1/64" (102mm) H x 7-11/64" (182mm) Dia.
L31H*M	Magnetic						-		
L31H*V	Magnetic/suction					-			
L31H*F4	Permanent	24		Hi/Low control					
L32L*F	Permanent	Low		1.3/ peak 0.52/avg	Magnetic mount 75 SignalAlert™ only	12	-	SAE Class 1	2-1/2" (63mm) H x 7-11/64" (182mm) Dia.
L32L*M	Magnetic						-		
L32L*V	Magnetic/suction					-			
L32L*F4	Permanent	High		4/peak 1.6/avg	4	12	Hi/Low control	California Title XIII	4-1/64" (102mm) H x 7-11/64" (182mm) Dia.

Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White

Option Model	Option Description
MIRROR20	Mirror mount bracket
BBKT30	Stainless steel shelf mount bracket mount to flat vertical surface

Option Model	Option Description
L360PMKT	Pipe mount kit for permanent mount
L360BGB	Branch guard kit for L31 Series

B6 Series Combination Tailboard Lighting

- Designed for use in NFPA 1901 Specification lighting packages, this series combines 360° warning and directional lighting in a single fixture
- Super-LED® beacon and 700 Series Linear-LED® have built-in flashers providing multiple flash patterns, plus cruise light mode on LED beacon
- Lower level light offered in single or split color
- Five year HDP Heavy-Duty Professional warranty on LEDs
- Three year warranty on halogen motor assembly



Model	Upper Lighting	Lower lighting	Mount	Base	Amps	VDC	Certifications	Size
B63M7**	R316 Super-LED Rota-Beam beacon	M7 Super-LED lighthouse	Flat permanent	Polished aluminum	4.5/peak 3.1/avg	12	Class 1 Meets NFPA 1901, SAE and EC65 specifications	7-3/8" (187mm) H x 7-13/16" (198mm) W x 8-1/16" (204mm) D
B6370**		700 Series Super-LED lighthouse			3.6/peak 2.73/avg			
B6MM**P	L31 Super-LED beacon				5.4/peak 2.13/avg			
B6TM**1P	RB6 Halogen Rota-Beam beacon				5.9/peak 5.03/avg			

Replace * in model number with color desired: A=Amber; R=Red; B=Blue

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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
- 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
- Available in Amber, Red, Blue and White
- Five year HDP® Heavy-Duty Professional warranty



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	R,B,A,W		1/Alternating 2/Simultaneous		34 Scan-Lock	2" (50mm) H x 5-1/2" (140mm) D x 9-3/4" (248mm) L
AVNS1*	Single		0.95	69 Scan-Lock		2" (50mm) H x 5-1/2" (140mm) D x 5" (127mm) L	
AVNS2**	Dual		Synchronized with 4 wire pigtail	1/Alternating 2/Simultaneous		26 Scan-Lock	2" (50mm) H x 5-1/2" (140mm) D x 5" (127mm) L
AVNT1RBW	Single		R/B/W; W override	Cigar plug		0.40	55 Scan-Lock
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		53 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				
AVN2LRRB		R/B with W take-downs					
AVN2LRRC		R/W with W take-downs					
AVN2LRRR		R/R with W take-downs					

Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White; D=Red/White; J=Red/Blue.

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

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

SlimLighter™ Super-LED®

- **SAE Class 1 Certified**
- Super-LED interior light
- Swivel bracket for permanent or suction cup mounting included
- Includes built-in pattern selection button, 10' straight cord w/cigar plug and On/Off switch with LED "On" indicator
- Available in Amber, Red, Blue and White
- Five year HDP® Heavy-Duty Professional warranty



Model	Technology	Amps	VDC	Patterns	Size
SLPMM**	Super-LED	0.6/avg 1.5/peak	12	21 Scan-Lock™	2" (52mm) H x 1-3/16" (46mm) D x 16-3/8" (416mm) L

Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White

FlatLighter™ Series

- Visor mount interior light
- Includes Velcro mounting straps
- Includes 8' straight cord with cigar plug
- Available in Amber, Red, Blue and White
- Five year HDP Heavy-Duty Professional warranty



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 * in model number with color desired: A=Amber; R=Red; B=Blue; C=White

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

Slim-Miser™ Series

- 5mm LEDs for interior use
- Includes 10' straight cord with cigar plug, On/Off switch and LED "On" indicator
- Swivel mount with 3 suction cups securely holds dash light to windshield minimizing flashback
- Available in Amber, Red, Blue and White
- Five year HDP Heavy-Duty Professional warranty



Model	Technology	Amps	VDC	Patterns	Size
SMLL**	LED	0.10/avg 0.33/peak	12	17 Scan-Lock	1-5/8" (42mm) H x 2-3/4" (70mm) D x 12-7/8" (326mm) L

Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White

SpitFire™ Series

- **SAE Class 1 Certified**
- **LINZ6™ or ION™ Super-LED® interior dash and deck light**
- **Fully encapsulated electronics for moisture, vibration and corrosion resistance**
- **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**



Model	Series	Technology	Amps	VDC	Patterns	Size
SFP1*	Spitfire Plus	Super-LED	300ma/avg 700ma/peak	12	25 Scan-Lock single color	1-9/16" (40mm) H x 3-1/2" (89mm) D x 4-3/8" (111mm) W
SFION*	Spitfire ION		0.46/avg 1/peak		69 Scan-Lock split color	1-5/8" (41mm) H x 3-3/8" (86mm) D x 5-1/8" (130mm) W

Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White; D=Red/White; E=Blue/White; J=Red/Blue.

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 ground illuminating puddle light**
- **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 lens are available for customer installation**
- **Five year HDP Heavy-Duty Professional warranty**



Model	Series	Amps	VDC	Patterns	Vehicle	Certifications	Lighthead Size
MBCT15**	ION	1.0/peak 0.40/avg per lighthead	12	25 Scan-Lock	Chevy Tahoe, 2015	A (R Lower only), B R/A/B/W, C R/A/B/W, D R/A/B/W	1" (25mm) H x 4" (101mm) L
MBFX11**					Ford Explorer, 2011-15		
VMCT15**	ION V-Series	.765 warning .31 alley .12 puddle per lighthead	12	25 Scan-Lock	Chevy Tahoe, 2015	SAE J595 NFPA 1901	1" (25mm) H x 4" (101mm) L
VMFX11**					Ford Explorer 2011-15		

Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White; J=Split Red/Blue

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
- Slide bolt mount
- Extruded aluminum Black powder coated housing
- Available in Amber, Red, Blue and White with end flashers on eight module units
- Five year HDP® Heavy-Duty Professional warranty

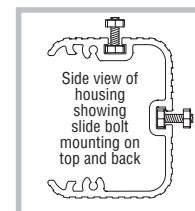


Dominator Plus with LINZ6

Model	Series	Technology	Lamps	Amps	VDC	Patterns	Color	Mounting	Size	Length
D2**	Dominator	TIR3 Super-LED	2	0.16/avg 0.4/peak per lamp	12	7 Scan-Lock™	A, R, B, W	Slide bolt Optional suction cup	1-3/16" (35mm) H x 2-3/16" (55mm) D	7" (178mm)
D4****			4			14" (356mm)				
D6*****			6			21" (533mm)				
D8§§§§0			8			28" (711mm)				
DP2**	Dominator Plus	LINZ6 Super-LED	2	0.30/avg 0.75/peak per lamp	12	7 Scan-Lock	A, R, B, W	Slide bolt Optional suction cup	1-3/16" (35mm) H x 2-3/16" (55mm) D	7" (178mm)
DP4****			4			14" (356mm)				
DP6*****			6			21" (533mm)				
DP8§§§§0			8			28" (711mm)				

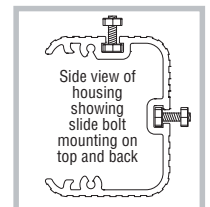
Replace * in model number with color desired: A=Amber; R=Red; B=Blue
 § Replace § symbol with number of color lightheads required. Order of colors are red, blue, amber and white.

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 2008-2013 Chevy Tahoe
DBKT6	Hatch mount bracket for 2008-2013 Chevy Tahoe, Interior mount, D8 & DP8 only



Raider™ Super-LED® Series

- SAE Class 1 Certified
- Interior or exterior use
- Pairs of single units may be synchronized to each other or to other Whelen synchronizing products
- Dual units are synchronized together. Each lighthead has its own Scan-Lock wire for alternate or simultaneous flashing the two lightheads as well as pattern control
- Unique slide bolt housing offers versatile mounting, horizontal, vertical or even upside down
- Extruded aluminum housing
- Available in Amber, Red, Blue and White
- Five year HDP Heavy-Duty Professional warranty



Model	Lamp	Technology	Amps	VDC	Cable	Patterns	Size
R1*	Single	Linear-LED®	0.4/avg 1/peak	12	2' 4-C	25 Scan-Lock	2-3/8" (60mm) H x 1-7/8" (48mm) D x 5-1/2" (140mm) L
R2**	Dual		0.8/avg 2/peak				2-3/8" (60mm) H x 1-7/8" (48mm) D x 11" (280mm) L

Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White

Pioneer Nano™

- Available in 3 or 6 diode models
- Die-cast aluminum powder coated housing in Black or White
- Long life LED operation with low current draw and low operating temperature
- 8° spotlight pattern, comes standard. Includes additional optic lens for a light pattern choice of 40° x 20° flood
- Optic lens changes easily via four screws in picture frame fixture
- Powder coated stainless steel bail bracket with 3/8" stud carriage bolt mount
- Five year HDP® Heavy-Duty Professional warranty



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					
NP6B4W			White	25.6	.75	19.6		
NP6B4B			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
- 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
- Four mountings available:
 - Powder coated stainless steel bail bracket with 3/8" stud carriage bolt mount
 - Two recessed mounts available with Chrome flange for straight out or 15° downward angle
 - Heavy-duty pedestal/swivel available with Chrome or Black back cover and On/Off switch
- Five year HDP Heavy-Duty Professional warranty



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					
MPB4W		White	24	1.75			
MPB4B		Black					
MPRW	Recessed 90° angle, Chrome flange	White	12	3.5	44.8	4100	6-15/16" (176mm) H x 2-9/16" (65mm) D x 7-11/16" (195mm) W
MPRB		Black					
MPR4W		White	24	1.75			
MPR4B		Black					
MPR15W	Recessed 15° angle, Chrome flange	White	12	3.5	44.8	4100	6-15/16" (176mm) H x 2-9/16" (65mm) D x 7-11/16" (195mm) W
MPR15B		Black					
MPR154W		White	24	1.75			
MPR154B		Black					
MPPW	Low profile pedestal/swivel	White	12	3.5	44.8	4100	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	12	3.5			
MPPB		Black	12	3.5			
MPPBBS		Black with Black cover & On/Off switch	12	3.5			
MPPBCS		Black with Chrome cover & On/Off switch	12	3.5			
MPP4W		White	24	1.75			
MPP4B		Black					

Pioneer SlimLine™ Series

- Die-cast aluminum powder coated housing in White or Black
- Long life LED operation with low current draw and low operating temperature
- Single lamp models include 8° spotlight lens supplied on lighthead and one additional lens supplied for light dispersion of 40°x 20° flood
- Dual lamp models include 8° spotlight lens supplied on lighthead, and two additional lenses are supplied for light dispersion of 40°x 20° flood and 8° spot/40°x 20° flood
- Recessed mount models available in straight and 15° downward angle with chrome trim flange
- Bail bracket works for horizontal and vertical mounting positions
- Five year HDP® Heavy-Duty Professional warranty



PSL2BB



PSL1R



PSL1B



PSL2R

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							
PSL1B4			White	24	1.5	39.2	3600			
PSL1B4B			Black							
PSL2B		Dual	Single	White	12	6.1	78.3		3-1/4" (82mm) H x 2-1/8" (55mm) D x 12-1/2" (317mm) W	
PSL2BB				Black						
PSL2B4			Dual	White	24	3	78.3			7300
PSL2B4B				Black						
PSL1R	Recessed 90° angle, Chrome flange	Single	White	12	3	39.2	3600	6-3/8" (160mm) H x 2" (51mm) D x 9-7/8" (251mm) W		
PSL1RB			Black							
PSL14R			White	24	1.5	39.2	3600			
PSL14RB			Black							
PSL2R		Dual	Single	White	12	6.1	78.3		6-5/8" (168mm) H x 2-5/8" (65mm) D x 15-1/2" (394mm) W	
PSL2RB				Black						
PSL24R			Dual	White	24	3	78.3			7300
PSL24RB				Black						
PSL1R5	Recessed 15° angle, Chrome flange	Single	White	12	3	39.2	3600	6-3/8" (160mm) H x 2" (51mm) D x 9-7/8" (251mm) W		
PSL1R5B			Black							
PSL14R5			White	24	1.5	39.2	3600			
PSL14R5B			Black							
PSL2R5		Dual	Single	White	12	6.1	78.3		6-5/8" (168mm) H x 2-5/8" (65mm) D x 15-1/2" (394mm) W	
PSL2R5B				Black						
PSL2R45			Dual	White	24	3	78.3			7300
PSL2R45B				Black						
PSL1P	Low profile pedestal/swivel	Single	White	12	3	39.2	3600	5-5/8" (143mm) H x 2" (51mm) D x 6-7/8" (175mm) W		
PSL1PB			Black							
PSL14P			White	24	1.5	39.2	3600			
PSL14PB			Black							
PSL2P		Dual	Single	White	12	6.1	78.3		5-5/8" (143mm) H x 2" (51mm) D x 12-1/2" (317mm) W	
PSL2PB				Black						
PSL24P			Dual	White	24	3	78.3			7300
PSL24PB				Black						



PSL1R5



PSL1P



PSL2P



PSLFC

Brow mount bracket,
lighthead purchased
separately

Model	Lighthead Only
PSL2	Dual panel, White, mounting purchased separately
PSL2BLK	Dual panel, Black, mounting purchased separately

Model	Brow Mount Bracket Description for PSL2 Only
PBSLFC	Center mount for M2 Freightliner, White
PBSLFCB	Center mount for M2 Freightliner, Black
PBSLFLR	Left & right side mount for M2 Freightliner, White
PBSLFLRB	Left & right side mount for M2 Freightliner, Black
PBSLFIC	Center mount for International Chassis, White
PBSLICB	Center mount for International Chassis, Black
PBSLIR	Left & right side mount for International Chassis, White
PBSLIRB	Left & right side mount for International Chassis, Black



Additional single and
dual lenses

Pioneer™ Surface Mount

- Extruded aluminum housing
- Long life LED operation with low current draw and low operating temperature
- Combination spot/flood (patent pending) optic design projects light directly down at 5° producing illumination to the side of the vehicle arching upward to 90° pattern of light
- Solid-state electronics
- Instant On/Off eliminates ramp up time and high current in-rush
- Lights feature built-in nylon screw grommets eliminating galvanic corrosion
- Uniquely designed molded two part silicone grommet seals the 1" wire entry into the body
- Engineered thermal design keeps LEDs running cool and efficiently
- DC (Single or Dual) Pioneer models meets SAE 1113-42 Class 5 testing for EMI
- AC models are coming soon pending UL® approval
- Five year HDP® Heavy-Duty Professional warranty



PCPSM2C



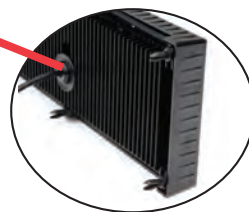
PCPSM1B



Model	Series	Lamp Type	Housing	Volts	Amps	Watts	Lumens	Size
PCPSM1C	Pioneer Plus Spot/Floodlight	Single	Chrome	12	6	76	8,000	6-3/8" (162mm) H x 1-3/4" (44mm) D x 9" (228mm) L
PCPSM1B			Black					
PCPSM2C		Dual	Chrome	12	12	154	16,000	6-3/8" (162mm) H x 1-3/4" (44mm) D x 16-1/4" (412mm) L
PCPSM2B			Black					
PCPSM14C		Single	24	Chrome	3	76	8,000	6-3/8" (162mm) H x 1-3/4" (44mm) D x 9" (228mm) L
PCPSM14B				Black				
PCPSM24C		Dual	24	Chrome	6	154	16,000	6-3/8" (162mm) H x 1-3/4" (44mm) D x 16-1/4" (412mm) L
PCPSM24B				Black				



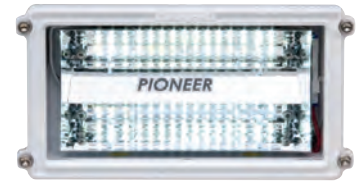
Unique thermal plastic rubber grommet seals 1" wire entry



Unique screw grommet system and grommet seals tight to vehicle's body

Pioneer™ & Pioneer Plus™ Series Floodlights

- Long life LED operation with low current draw and low operating temperature
- LEDs operate at very high light efficiency producing high lumen output per watt
- Available in four intensities
- Die cast aluminum powder coated housing
- Long life LED operation with low current draw and low operating temperature
- Solid-state electronics and lamps
- Instant On/Off eliminates ramp-up time and high current in-rush
- Recessed housing mounts straight out or 15° fixed downward angle to maximize light effectiveness
- Removable handle standard on pedestal and pole mount models
- DC Pioneer models meet SAE 1113-42, Class 5 testing for EMI
- Available in 12, 24 VDC and UL® listed 120 VAC
- 120 VAC models will operate using a generator to provide floodlighting at a distance away from the vehicle's voltage source without significant voltage drops
- Five year HDP® Heavy-Duty Professional warranty



PFA1



PFP2



Lighthead only (Mounting Purchased Separately)

Model	Series	Lamp Type	Housing	Volts	Amps	Watts	Lumens	Size
PFA1	Pioneer Floodlight	Single	White	12	3.1	39.7	3,700	Single: 3-11/16" (94mm) H x 2-1/2" (64mm) D x 8-1/8" (206mm) L Dual: 3-11/16" (94mm) H x 2-1/2" (64mm) D x 14" (356mm) L
PFA2		Dual			6.1	78.8	7,400	
PFA14		Single		24	1.5	39.7	3,700	
PFA24		Dual			3	78.1	7,400	
PFA1B		Single	Black	12	3.1	39.7	3,700	
PFA2B		Dual			6.1	78.1	7,400	
PFA14B		Single		24	1.5	39.7	3,700	
PFA24B		Dual			3	78.1	7,400	
PFP1	Pioneer Plus Floodlight	Single	White	12	6.5	73.2	8,100	
PFP2		Dual			13	166.4	16,000	
PFP14		Single		24	3.05	83.2	7,400	
PFP24		Dual			6.5	166.4	16,000	
PFP1B		Single	Black	12	6.5	83.2	8,100	
PFP2B		Dual			13	166.4	16,000	
PFP1AC		Single		White	120 VAC, pending UL® listing	.6	75	7,500
PFP2AC		Dual				1.2	150	15,000

Pioneer™ & Pioneer Plus™ Series Spotlights & Combination Spot/Floodlights

- Long life LED operation with low current draw and low operating temperature
- LEDs operate at very high light efficiency producing high lumen output per watt
- Die cast aluminum powder coated housing
- Rated to last thousands of hours with remarkable bright light
- Spotlights are available in single lamp 2° and 8° models. Dual lamp Floodlight/8° Spotlight combination and Pioneer Max™ dual floodlight with dual 8° spotlights
- Solid-state electronics and lamps
- Instant On/Off eliminates ramp-up time and high current in-rush
- Recessed housing mounts straight out or 15° fixed downward angle to maximize light effectiveness
- Removable handle standard on pedestal and pole mount models
- DC Pioneer models meet SAE 1113-42, Class 5 testing for EMI
- Available in 12, 24 VDC and UL® listed 120 VAC
- 120 VAC models will operate using a generator to provide floodlighting at a distance away from the vehicle's voltage source without significant voltage drops
- Five year HDP® Heavy-Duty Professional warranty



PTP1- 2° Spotlight



PSP1- 8° Spotlight



PCP2 - Floodlight & 8° Spotlight



PCP3 - Pioneer Max Floodlight & 8° Spotlight

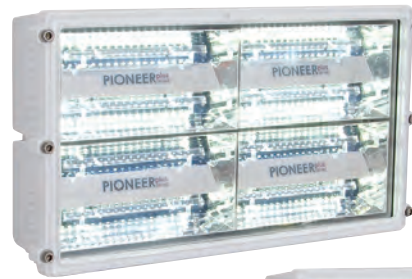


Lighthead only (Mounting Purchased Separately)

Model	Series	Lamp Type	Housing	Volts	Amps	Watts	Lumens	Size				
PTP1	Pioneer Plus Spotlight	Single 2°	White	12	6.5	83.2	8,000	3-11/16" (94mm) H x 2-1/2" (64mm) D x 8-1/8" (206mm) L				
PSP1		Single 8°			6.5	75	8,000					
PCP2	Pioneer Plus Spotlight/ Floodlight	Dual combination Floodlight & 8° Spotlight			12	12	75/75		8,000/8,000 16,000 total	3-11/16" (94mm) H x 2-1/2" (64mm) D x 14" (356mm) L		
PCP3	Pioneer Max Spotlight/ Floodlight	Combination dual Floodlight & dual 8° Spotlight		White	12	16.5	225	20,000	6-1/16" (155mm) H x 3" (76mm) D x 14-1/16" (357mm) L			
PCP3B			Black									
PCP34			White	24	8.2	210.4	20,000					
PCP34B			Black		8.2	210.4	20,000					
PSP1AC	Pioneer Plus 8° Spotlight	Single 8°	White	UL® Listed 120 AC			Single: 3-11/16" (94mm) H x 2-1/2" (64mm) D x 8-1/8" (206mm) L Dual: 3-11/16" (94mm) H x 2-1/2" (64mm) D x 14" (356mm) L					
PCP2AFS	Pioneer Plus Spotlight/ Floodlight	Dual Flood - Left Spot - Right						1.2	150	15,000		
PCP2ASF		Dual Flood - Right Spot - Left						1.2	150	15,000		
PCP3A	Pioneer Max Spotlight/ Floodlight	Combination dual Floodlight & dual 8° Spotlight						Black	1.5	180	17,000	6-1/16" (155mm) H x 3" (76mm) D x 14-1/16" (357mm) L
PCP3AB									1.5	180	17,000	

Pioneer™ Quad

- Four high intensity 120 AC Pioneer Plus lamps for Flood lighting
- Die cast aluminum powder coated housing includes supporting hardware
- Long life LED operation with low current draw and low operating temperature
- Engineered thermal design keeps LEDs running cool and efficiently, eliminating decreased diode output over long hours of operation
- Removable handle standard on pole/pedestal mount
- Floodlights are UL® approved
- 120 AC models will operate using a generator to provide floodlighting at a distance away from the vehicle's voltage source without significant voltage drops
- Five year HDP® Heavy-Duty Professional warranty



PFP4AW



PFP4AWP1
Pole/Pedestal Mount



Model	Series	Mounting	Switch	Housing	Volts	Amps	Watts	Lumens	Size
PFP4AW	AC Floodlights	Lighthouse only	-	White	120 AC	2.5 AC	300 watts	30,000	7-3/8" (187mm) H x 3-3/16" (80mm) D x 14-1/16" (357mm) L
PFP4AB			-	Black					
PFP4AWP		Pole/Pedestal	-	White					
PFP4AWP1			1 Switch						
PFP4ABP			-	Black					
PFP4AABP1			1 Switch						
PFP4AWB		Universal Bail Bracket	-	White					
PFP4ABB			-	Black					

Pioneer™ Series Mounting Options

PBAPEDAL
PBAPEDDL
NEW Locking
Pedestal
mount
adapter



PBA103/PBA203
Semi-recessed mount with
Chrome trim ring



PBA0127/PBA0130
2-3/4" & 3" Radius brow
mounting bracket



PBA106U/PBA206U
Universal bail bracket



PFP1LP
Low profile pedestal/swivel mount



Most mountings are shown with lightheads which are purchased separately

Mounting Options (Lightheads Purchased Separately)

Model	Series	Lamp	Description	Size
PBAPEDAL		Single & dual	Locking pedestal mount adapter for AC models, includes 20' of 3-C cable	
PBAPEDDL			Locking pedestal mount adapter for DC models, includes 20' of 4-C cable	
PBA103	Mounting options only for Pioneer and Pioneer Plus lightheads	Single	Semi-recessed mount with Chrome trim ring, housing mounts the floodlights straight out or at 15° downward angle	7-5/8" (194mm) H x 2" (50mm) recessed x 11-7/8" (302mm) L
PBA203		Dual		7-5/8" (194mm) H x 2" (50mm) recessed x 17-3/16" (436mm) L
PBA0127		Single & dual	2-3/4" Radius brow mounting brackets, adjustable to 20° downward angle	vehicle specific
PBA0130		Single & dual		
PBA106U		Single	Universal bail bracket	4- 5/8" (118mm) H x 3-3/16" ((80mm) D x 8-3/16" (208mm) L
PBA206U		Dual		4- 5/8" (118mm) H x 3-3/16" ((80mm) D x 14" (357mm) L

Brow Mounting Brackets for Specific Chassis Manufacturer (Lightheads Purchased Separately)

Model	Series	Lamp	Description	Size
PBASPRTN	Pioneer or Pioneer Plus	Single or dual	Spartan Motors chassis	Vehicle specific
PBAPIRCE			Pierce Manufacturing chassis	
PBAFERA			Ferrara Fire chassis	
PBAHME			HME chassis	
PBASUT			Sutphen Corp and Sutphen Towers chassis	
PBAE1			Emergency One chassis	
PBAE1Q			Emergency One Quest chassis	
PBAKME			KME Kovatch Mobile Equipment chassis	
PBA0130			Standard 3" radius and Seagrave	
PBAINTC			International 4300, 4400, 7400 and Terrastar Chassis	
PBARSNO			Rosenbauer Commander outboard	
PBARSNC			Rosenbauer Commander center	
PBAM2C			Freightliner M2 center	

Pedestal/Swivel Mounting (Lighthead Included with Mounting)

Model	Series	Lamp	Technology	Voltage	housing	Size
PFA1LP	Pioneer	Single	Floodlight	12 VDC	White	7" (158mm) H x 3-1/3/16" (80mm) D x 8-3/16" (208mm) L
PFA1LPB					Black	
PFP1LP	White					
PFP1LPB	Black					
PSP1LP	White					
PSP1LPB	Black					
PTP1LP	Pioneer Plus		8° Spotlight	120 VAC	White	
PTP1LPB			2° Spotlight		Black	
PSP1ALP			8° Spotlight		White	
PSP1ALPB					Black	

Pioneer™ Series Mounting Options



PFP1P1 Pole/Ped mount with handle and switch

PFP2P Pole/Ped mount with handle, without switch



PCP3P1 Pole/Ped mount with handle and switch

Side Mount

- Side Mount Pedestal available in AC or DC models with 5" or 7" non-adjustable stand-off mounting brackets
- Wire internal (exits bottom), external wire (exits side of knuckle) adapter
- Three conductor internal wire input for AC. Four conductor for DC models
- Requires lighthouse and pedestal mount adapter, purchased separately



87711AB Side mount with 5" stand off bracket. Shown with PCP2AP1B lighthouse and pedestal mount adapter.

Pedestal/Pole Mounting (Lighthouse Included with Mounting)

Model	Series	Lamp	Technology	Voltage	Switch	Housing	Size with handle			
PFA1P	Pioneer	Single	Floodlight	12 VDC	-	White	Single Lighthouse: 9-3/4" (247mm) H x 6-1/16" (155mm) D x 10-13/16" (275mm) W			
PFA1PB					Black					
PFA1P1					On/Off	White				
PFA1P1B		Black								
PFA2P		Dual			White					
PFA2PB					Black					
PFA2P1	On/Off				White					
PFA2P1B	Black									
PFP1P	Pioneer Plus™	Single			8° Spotlight	120 VAC		-	White	Dual Lighthouse: 9-3/4" (247mm) H x 6-1/16" (155mm) D x 14-1/16" (357mm) W
PFP1PB								Black		
PFP1P1								On/Off	White	
PFP1P1B		Black								
PFP2P		Dual	White							
PFP2PB			Black							
PFP2P1	On/Off		White							
PFP2P1B	Black									
PSP1P	Single	Combination flood and 8° spotlight	Combination dual floodlight & dual 8° spotlight	120 VAC			-	White	10-13/16" (275mm) H x 6-1/16" (155mm) D x 14-1/16" (357mm) W	
PSP1PB							Black			
PSP1P1							On/Off	White		
PSP1P1B	Black									
PCP2P	Dual				White					
PCP2PB					Black					
PCP2P2		Dual On/Off			White					
PCP2P2B	Black									
PCP3P	Pioneer Max™	Dual x 2			Combination dual floodlight & dual 8° spotlight	120 VAC	-	White		10-13/16" (275mm) H x 6-1/16" (155mm) D x 14-1/16" (357mm) W
PCP3P1							On/Off	Black		
PFP1AP	Pioneer Plus	Single			Floodlight	120 VAC	-	White		Single Lighthouse: 9-3/4" (247mm) H x 6-1/16" (155mm) D x 10-13/16" (275mm) W
PFP1APB							Black			
PFP1AP1			On/Off	White						
PFP1AP1B		Black								
PFP2AP		Dual	White							
PFP2APB			Black							
PFP2AP1			On/Off	White						
PFP2AP1B		Black								
PSP1AP		Single	8° Spotlight	Combination floodlight and 8° spotlight	120 VAC		-	White	Dual Lighthouse: 9-3/4" (247mm) H x 6-1/16" (155mm) D x 14-1/16" (357mm) W	
PSP1APB							Black			
PSP1AP1							On/Off	White		
PSP1AP1B		Black								
PCP2AP	Dual	White								
PCP2APB		Black								
PCP2APB1		On/Off	White							
PCP2APB1B	Black									
PCP3AP	Pioneer Max	Dual x 2	Combination dual floodlight & dual 8° spotlight			120 VAC	-	White		10-13/16" (275mm) H x 6-1/16" (155mm) D x 14-1/16" (357mm) W
PCP3APB							Black			
PCP3AP1							On/Off	White		
PCP3AP1B							Black			

Side Mount (Lighthouse Purchased Separately)

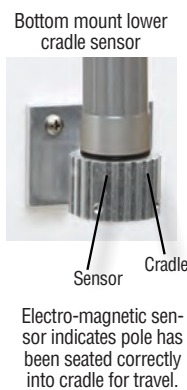
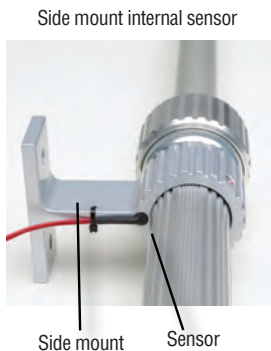
Model	Series	Lamp	Wire exit	Voltage	Bracket	
87711AB	Side mounting option only for Pioneer and Pioneer Plus Lighthouses	Single or Dual Light-head	Internal	12 VDC	5"	
87711BB					7"	
87711AD					External	5"
87711BD						7"
87711AA			Internal	120 VAC	5"	
87711BA					7"	
87711AC					External	5"
87711BC						7"

Pioneer™ Series Pole Mounting Options

3000, 3100 & 3050 Series Pole Mounting Options

(Lighthouse Purchased Separately)

- Extruded aluminum AC and DC pole assemblies
- Side and Thru Body mount versions
- Side mount poles outer bodies available in 12", 20", 30", 35" & 40"
- 3050 Series 30", 40" & 50" side mount pull up pole, for use with 120 VAC Pioneer and Pioneer Plus lighthoods
- Three conductor internal wire input for AC models. Four conductor for DC models
- Silver powder coated non-adjustable stand-off mounting brackets available in 2", 3", 5" and 7"
- Poles and outer bodies are anodized to eliminate corrosion
- Optional lower side mount cradle bracket with electromagnetic sensor indicates if the pole has been seated properly into the cradle for travel (customer supplied warning indicator light)
- Custom pole lengths available. Download Pioneer Designer Program to design custom pole assemblies
- Requires Pioneer with pole/pedestal mount adapter (purchased separately)
- Five year HDP® Heavy-Duty Professional warranty



For models numbers on Pioneer pole assemblies, please request Pioneer Pole Price List.

3000 Series

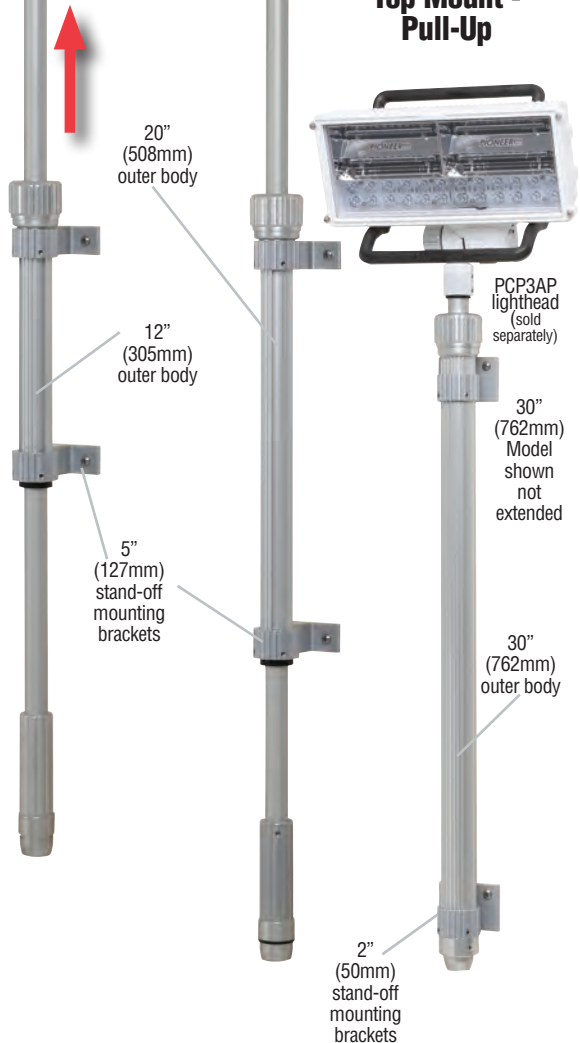
57" Side Mount Pole Assemblies Top Mount - Pull-Up



Top Mount, Pull-Up
Mount is above the outer body. Pull-up to extend pole.

3050 Series

30", 40" & 50" Side Mount Pole Assemblies Top Mount - Pull-Up



Pioneer Designer Program

Build or customize your Pioneer lighthouse mounting with "Whelen's Pioneer Designer" download from our website at www.whelen.com
Pioneer Designer lets you pick and choose options and enter custom pole and lighthouse requirements

Starting from the Home Page, go to

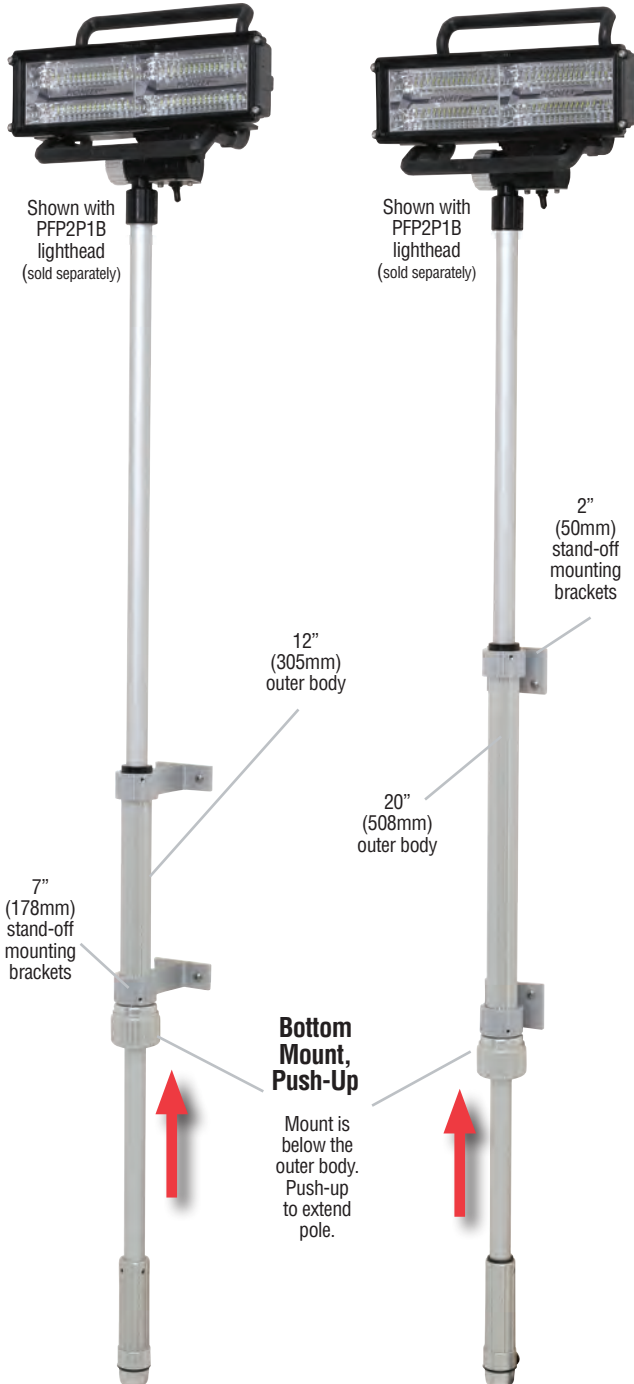
- Automotive
- Tech Support
- Software Downloads
- Choose Pioneer Designer and click on download



Pioneer™ Series Pole Mounting Options

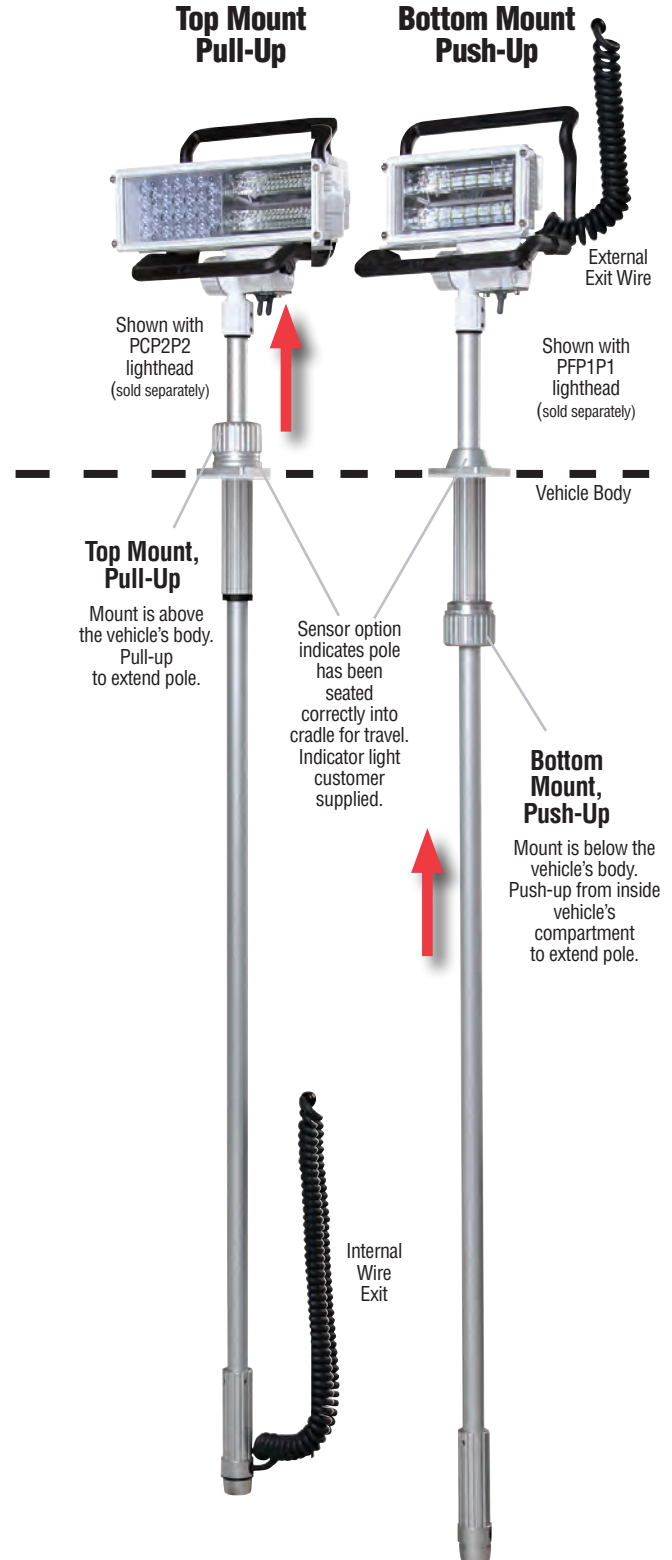
3000 Series

57" Side Mount Pole Assemblies Bottom Mount - Push-Up



3100 Series

57" Thru Mount Pole Assemblies



Pioneer™ Series Mounting Options

3200 Series Folding Tripod AC Pole Assemblies

(Lighthead Purchased Separately)

- Extruded aluminum AC tripod assemblies
- Large 50", medium 40" and small 30" models
- Tripod models available are:
 - Wireless for use with ground tripod
 - With inner coil cord with or without plug
 - With loose external coil cord for top wire exit with plug or without plug
- All moving aluminum parts are isolated with nylon bushings for smooth adjustment and fold outs
- Poles, outer bodies and folding legs are anodized to eliminate corrosion
- Optional tripod quick disconnect mount kit
- Optional ground tripod mounting bracket
- Requires Pioneer with pole/pedestal mount adapter (purchased separately)
- Five year HDP® Heavy-Duty Professional warranty

Lower folding tripod mounting cradle kit Model 87283001



Folded tripod in mounting cradle

Upper tripod quick disconnect mounting bracket



Large 50"



Medium 40"



Small 30"

Large tripod shown at maximum 42.25" extension

3300 Series Ground Tripods

(Lighthead Purchased Separately)

- White powder coated cast aluminum AC portable ground tripod
- Includes stationary quick disconnect mount
- Supplied with 12" cable
- Optional plug available
- Five year HDP Heavy-Duty Professional warranty



Shown with optional plug



Ground tripod with stationary quick disconnect mount



Underneath side showing pin that recesses into stationary quick disconnect mount, included with ground tripod for secure storage

Quick disconnect mount attaches to ground tripod mount



Optional Model 87283002 ground tripod mount includes quick disconnect for 3200 Series folding tripod



Finished assembly of ground tripod mounted on top of folding tripod pole with ground tripod mount

PAR-36 and PAR-46

- Choose floodlight or spotlight models
- Black cast aluminum housing
- **NEW** Indexing locking lever on pedestal swivel
- Super-LED with low current draw
- Stainless steel bracket and hardware included
- Two intensities available
- For 24 VDC models, contact factory
- Available in White
- Five year HDP® Heavy-Duty Professional warranty



Floodlight							
Model	Diodes	Amps	Lumens	Mount	Switch	Handle	Rear Cover
PFBP12	12	1.7	1000	Locking pedestal swivel	Built-in on/off switch	Yes	Black
PFBP12C							Chrome
PFBP6	6	.85	500				Black
PFBP6C							Chrome
PFBS12	12	1.7	1000	Stud/swivel	-	-	Black
PFBS12C							Chrome
PFBS6	6	.85	500				Black
PFBS6C							Chrome
PFBS6S							Built-in on/off switch
PFBS12S	12	1.7	1000				

Spotlight							
Model	Diodes	Amps	Lumens	Mount	Switch	Handle	Rear Cover
PSBP12	12	1.7	1000	Locking pedestal swivel	Built-in on/off switch	Yes	Black
PSBP12C							Chrome
PSBP6	6	.85	500				Black
PSBP6C							Chrome
PSBS12	12	1.7	1000	Stud/swivel	-	-	Black
PSBS12C							Chrome
PSBS6	6	.85	500				Black
PSBS6C							Chrome
PSBS6S							Built-in on/off switch
PSBS12S	12	1.7	1000				

Hand Held Spot/Floodlights

- 90# pull magnet mount with 8' coiled cord and cigar plug
- Built-in push-button On/Off switch
- Five year HDP Heavy-Duty Professional warranty

Model	Lamp Type	Diodes	VDC	Amps	Lumens	Mount
P36HHS	Spot/flood	6	12/24	0.85 @ 12 VDC 0.425 @ 24 VDC	500	Hand held includes magnet
P46HHS	Spotlight	18	12	2.3	2000	



Rubber Housing Spot/Floodlights

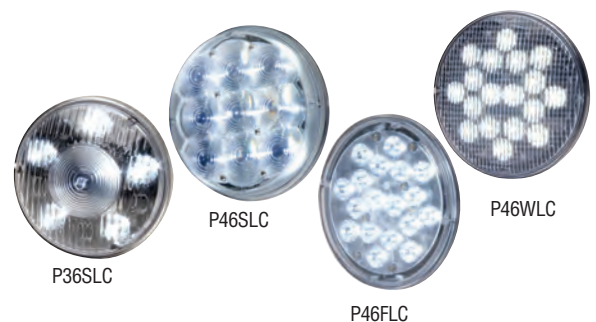
- Rubber stud/swivel housing
- Available with or without lighthouse
- Five year HDP Heavy-Duty Professional warranty

Model	Lamp Type	Diodes	VDC	Amps	Lumens	Mount
P36SLCHG	Spot/flood	6	12/24	0.85 @ 12 VDC 0.425 @ 24 VDC	500	Stud/swivel
P46SLCHG	Spotlight	9	12	2.3	2000	



Replacement Lamps

Model	Series	Lamp Type	Diodes	VDC	Amps	Lumens
P36SLC	PAR-36	Spot/flood	6	12/24	0.85 @ 12 VDC 0.425 @ 24 VDC	500
P46SLC	PAR-46	2° Spotlight	9	12	2.3	2000
P46FLC		8° Spotlight	18		1.9	1600
P46WLC		20° High x 60° Wide floodlight				



Pan & Tilt™ Super-LED® Spotlight

- Wired or wireless controlled spotlight
- Long life LED operation with low current draw and low operating temperature
- Wireless controller mounts anywhere
- Proportional push-button control for quick and easy operation
- Low amp draw
- Tilts 90° up and 20° down
- Pans 420° horizontally
- Defaults to home position after use
- Size: 8-3/4" (220mm) H x 7-3/4" (196mm) Dia
- Available in White
- Five year HDP® Heavy-Duty Professional warranty



Model	Mount	Controller	Base	Lens	Amps	Lumens	VDC
PT360P	Permanent	Wired	Polycarbonate	Hard-coated polycarbonate to resist scratches and UV damage	2 (max)	1475	12
PT360PW		Wireless					
PT360F	Flange	Wired					
PT360FW		Wireless					

M9 Series

- Available in warning and warning with scenelight models
- Patented Linear-LED® designed reflector assembly
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Surface mounted via two screws
- Built-in flasher models are synchronizable
- Choose solid, left/right, top/bottom, in/out, or diagonal sequencing
- Meets KKK 1822F, NFPA 1901, SAE, and EC65 specifications
- Includes California Title XIII compliant flash patterns
- Five year HDP® Heavy-Duty Professional warranty



Model	Optic	Technology	Colors	Lens	VDC	Flasher	Patterns	Amps	Certifications		Size
									Warning	Illumination	
M9*	Directional	Super-LED®	A, R, B, W	Color	12	Built-in	159 Scan-Lock™	3/peak 1.2/avg	A (Upper R/A/W, Lower R) B (R/B) C (R/A/B) D W	-	6-1/2" (165mm) H x 10-3/8" (263mm) W x 1-3/8" (35mm) D
M9*C			R/A, R/B, R/W	Clear			64 Scan-Lock				
M9#			A, R, B, W	Color			-				
M9*S			Clear	-							
M9*CS			Clear	-							
M9V2*	V-Series™ (includes Chrome flange)	Super-LED®	A, R, B, W warning with W illumination	Color for warning, Clear for illumination	12	Built-in	25 Scan-Lock	Warning 2.4/peak 0.96/avg, Scenelight 2.4 amps	A (A/R/W Upper & Lower) B (A/B/R) C (A/B/R/W) D (A/B/R/W) W	AMD 024 Perimeter (One light on each side of vehicle) NFPA 13.10.1.1 (Two lights)	6-1/2" (165mm) H x 10-3/8" (263mm) W x 2-5/8" (66mm) D
M9V2*C	Clear		Clear								

Replace symbol* in model number with letter indicating color desired: A=Amber, B=Blue, C=White, R=Red,
Replace symbol# 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
M9	M9V2	
M9FC	-	Chrome plated flange
M9FB	M9FB	Black flange
M9BRUSH	-	Black brush guard
M9FC900	M9FC900	Chrome flange, adapts M Series to 900 Series style lightheads



2015 Ford Transit Mounting Options with M9V2R Lighthead

Option Model	Option Description
Mid-Roof mounting Chrome housing with M9V2R lighthead, Red Lens	
1873800	Front, driver side
1873801	Front, passenger side
1873802	Rear, driver side
1873803	Rear, passenger side
Mid-Roof mounting Chrome housing with M9V2RC lighthead, Clear Lens	
1873804	Front, driver side
1873805	Front, passenger side
1873806	Rear, driver side
1873807	Rear, passenger side

Option Model	Option Description
High-Roof mounting Chrome housing with M9V2R lighthead, Red Lens	
1873400	Front, driver side
1873401	Front, passenger side
1873402	Rear, driver side
1873403	Rear, passenger side
High-Roof mounting Chrome housing with M9V2RC lighthead, Clear Lens	
1873404	Front, driver side
1873405	Front, passenger side
1873406	Rear, driver side
1873407	Rear, passenger side



1873801



1873802

M6 & M7 Series

- Available in warning and warning with perimeter models
- Patented Linear-LED® designed reflector assembly
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Surface mounted via two screws
- Built-in flasher models are synchronizable
- Choose solid, left/right, top/bottom, in/out, or diagonal sequencing
- Meets KKK 1822F, NFPA 1901, SAE, and EC65 specifications
- Includes California Title XIII compliant flash patterns
- Five year HDP® Heavy-Duty Professional warranty



Model	Optic	Technology	Colors	Lens	VDC	Flasher	Patterns	Amps	Certifications	Size		
M6*	Directional	Super-LED®	A, R, B, W	Color	12	Built-in	159 Scan-Lock™	2.25/peak 0.9/avg	A (Upper R/W) B (R/B) C (R/A/B)	4-5/16" (109mm) H x 6-3/4" (170mm) W x 1-3/8" (35mm) D		
M6*C				Clear			64 Scan-Lock					
M6#			R/A, R/B, R/W	A, R, B, W		Color	-				-	-
M6*S			Clear									
M6*CS			Clear									
M6V2*	V-Series™		A, R, B, W warning with W illumination	Color for warning, Clear for illumination		Built-in	25 Scan-Lock	Warning 1.5/peak 0.60/avg, Perimeter 0.77	A (A/R Upper & Lower) B (A/B/R) C (A/B/R/W) D (A/B/R/W) W		4-5/16" (109mm) H x 2-1/4" (57mm) D x 6-3/4" (170mm) L	
M6V2*C				Clear								
M7*	Directional		A, R, B, W	Color		Requires flasher (Purchased separately)	159 Scan-Lock	2.25/peak 0.9/avg	A (Upper R/W, Lower R) B (R/A/B) C (R/A/B) D (R/A/W) W		3-3/8" (86mm) H x 7-5/8" (194mm) W x 1-3/8" (35mm) D	
M7*C				Clear								64 Scan-Lock
M7#			R/A, R/B, R/W									
M7*S		Color										
M7*CS		Clear										

Replace symbol* in model number with letter indicating color desired: A=Amber, B=Blue, C=White, R=Red,
Replace symbol# 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
M6	M6V2	M7	
M6FC	M6FC	M7FC	Chrome plated flange
M6FB	M6FB	M7FB	Black flange
M6BRUSH	-	M7BRUSH	Black brush guard
M6FC600	M6FC600	M7FC700	Chrome flange, adapts M Series to 600 or 700 Series style lightheads
M6P15C	-	-	Chrome 15° angled surface mount housing
M6P15B	-	-	Black 15° angled surface mount housing
M6FCV2	-	-	Chrome flange for two M6 lightheads, vertical (lightheads purchased separately)
M6FCV3	-	-	Chrome flange for three M6 lightheads, vertical (lightheads purchased separately)
M6FCV4	-	-	Chrome flange for four M6 lightheads, vertical (lightheads purchased separately)
M6HDLMTK	-	-	Headlight mount for AT1 and KD housings, includes bracket and hardware
-	-	M7BKT1	Universal mounting bracket for one lighthead



V23, M2, & M4 Series

- Available with a patented Linear-LED® designed reflector assembly
- **NEW** M4 combination warning and driving light
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Surface mounted via two screws
- Lens and reflector are a sealed assembly
- Built-in flasher models are synchronizable
- Includes California Title XIII compliant flash patterns
- Five year HDP® Heavy-Duty Professional warranty



Model	Optic	Technology	Color	Lens	VDC	Flasher	Patterns	Amps	Certifications	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			69 Scan-Lock	1/peak .45/avg	B (R/A/B) C, D (R/A/B) W	2-1/2" (64mm) H x 4" (102mm) W x 1" (25mm) D		
M2*C				Clear								
M2#				R/A, R/B, R/W								
M2W*	Wide-angle		A, R, B, W	Color			26 Scan-Lock including steady-burn	1.5/peak 0.6/avg	A (Lower R) B (A/B/W) C, D (R/A/B) W	3-3/8" (86mm) H x 5-1/2" (138mm) W x 1-3/8" (35mm) D		
M2W*C				Clear								
M2W#				R/A, R/B, R/W								
M4*	Directional		A, R, B, W	Color			125 Scan-Lock	-	-	-		
M4*C				Clear								
M4#				R/A, R/B, R/W								
M4*S				A, R, B, W								
M4*CS				A, R, B, W			Color					
M4DW*				W with R/B split W with R or B			Clear		Requires flasher (Purchased separately)	50 Scan-Lock	Warning & driving 1.0/peak 0.40/avg	Pending
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		

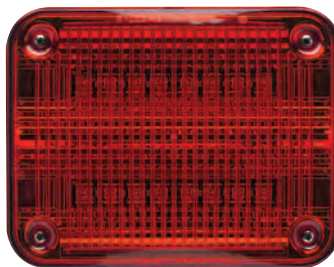
Replace symbol* in model number with letter indicating color desired: A=Amber, B=Blue, C=White, R=Red,
 Replace symbol# in model number with letter indicating split color desired: D=Red/White, F=Amber/White, J=Red/Blue, K=Red/Amber, M=Blue/Amber

Option Model				Option Description
V23	M2	M4	M4V2	
M2FC	M2FC	M4FC	M4FC	Chrome plated flange
M2FB	M2FB	M4FB	M4FB	Black flange
-	-	M4BRUSH	-	Black brush guard
-	-	M4FC400	M4FC400	Chrome flange, adapts M Series to 400 Series style lightheads
M2PEDB	M2PEDB	-	-	Black pedestal mount kit
M2PEDC	M2PEDC	-	-	Chrome pedestal mount kit
M2GROM	M2GROM	-	-	Grommet mount kit
-	-	M4CT15B	-	Fog position light for 2015 Chevy Tahoe, pair, Black
-	-	M4TM15B	-	Mirror mount for 2015 Ford Transit, pair, Black
-	-	M4TB15B	-	Front lower side mount for 2015 Ford Transit, pair, Black

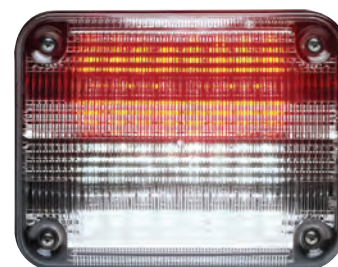


900 Series

- Largest surface mount with dual level LEDs
- Single color light available with Clear or color lens
- Split color lighthheads have Clear lens
- Split level lights have top/bottom control
- Low power
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Five year HDP® Heavy-Duty Professional warranty



90RR5SRR / 90RR5FRR



90RC5FCR

Model	Optic	Technology	Mount	Color	VDC	Amps	Patterns	Cable	Certifications	Size
90**5S*R	Directional	Linear Super-LED	Surface	A, R, B, W	12	2.8/peak 1/avg	Requires optional flasher	6" Pigtail	A, B, C, D, W	7-1/8" (181mm) H x 1-3/8" (35mm) D x 9-1/8" (232mm) L
90**5F*R						2.8/peak 1/avg	14 Scan-Lock steady-burn & Hi/Low			
90**5FCR				1.4/peak .5/avg per side						

Replace symbol* in model number with letter indicating color desired: A=Amber, B=Blue, C=White, R=Red
First * or ** is for LED color, second * is for LENS color

Option Model	Option Description
90FLANGB	Black flange kit
90FLANGC	Chrome plated flange kit
97FKIT	Mounting kit to convert 900 Series to fit in old style 97 Series hole cutouts



90FLANGC



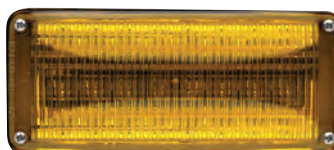
90FLANGB



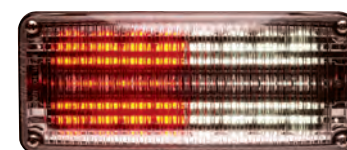
97FKIT

700 Series

- Single color available with Clear or color lens
- Split color lighthheads have a Clear lens
- Split color lighthheads have independent On/Off side to side control
- Low power
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Five year HDP Heavy-Duty Professional warranty



70A02SAR / 70A02FAR



70RC6FCR

Model	Optic	Technology	Mount	Color	VDC	Amps	Patterns	Cable	Certifications	Size
70*02S*R	Directional	Linear Super-LED®	Surface	A, R, B, W	12	1.4/peak .53/avg	Requires optional flasher	6" Pigtail	A, B, C, D, W	3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L
70*02F*R						1.4/peak .53/avg per side	14 Scan-Lock™			
70**6FCR				.75/peak .3/avg per side		54 Scan-Lock				

Replace symbol* in model number with letter indicating color desired: A=Amber, B=Blue, C=White, R=Red
First * or ** is for LED color, second * is for LENS color

Option Model	Option Description
7FLANGEB	Black flange kit
7EFLANGE	Chrome plated flange kit
7CAST3	Polished cast aluminum housing, vertical mount, 3 lamp
7GCV6LRC	Grille mount chrome housing 2006-11 Chevy Express van, pair
73FKIT	Mounting kit to convert 700 Series to fit in old style 73 Series hole cutouts



7FLANGEB



7EFLANGE



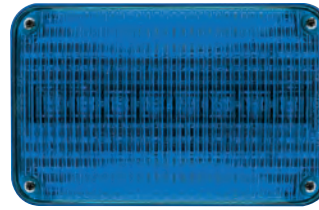
7CAST3



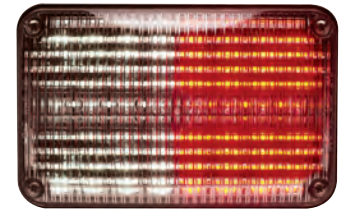
73FKIT

600 Series

- Single color available with Clear or color lens
- Split color lightheads have a Clear lens
- Split color lightheads have independent On/Off side to side control
- **NEW 600 Rota-Beam™ Super-LED®** oscillating light with no moving parts or motors. 100% solid-state with 180° light output
- Hi/Low power except on Rota-Beam
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Five year HDP® Heavy-Duty Professional warranty



60B02SBR / 60B02FBR



60RC6FCR



6RBRC



6RBA



Model	Technology	Mount	Color	VDC	Amps	Patterns	Cable	Certifications	Size
60*02S*R	Linear Super-LED	Surface	A, R, B, W	12	1.4/peak .53/avg	Requires optional flasher	6" Pigtail	A, B, C, D, W	4-3/16" (106mm) H x 1-7/16" (36mm) D x 6-9/16" (167mm) L
60*02F*R					1.4/peak .53/avg	14 Scan-Lock™			
60**6FCR			.75/peak .3/avg per side		54 Scan-Lock				
6RB*	Rota-Beam Super-LED		A, R, B, W color lens		2.2/peak 1.1/avg	14 Scan-Lock		W	4-3/16" (106mm) H x 3-7/16" (88mm) D x 6-9/16" (167mm) L
6RB*C			A, R, B, W Clear lens						

Replace symbol* in model number with letter indicating color desired: A=Amber, B=Blue, C=White, R=Red
 First * or ** is for LED color, second * is for LENS color

Option Model	Option Description
6FLANGEB	Black flange kit
6EFLANGE	Chrome plated flange kit
6EHDLTMK	Headlight mount kit for ATI and KD housing, includes hardware
CAST3	Polished cast aluminum housing, vertical mount, 3 lamp
CAST3H	Polished cast aluminum housing, horizontal mount, 3 lamp
CAST4V	Polished cast aluminum housing, vertical mount, 4 lamp
PLAST3V	Chrome plated plastic housing, vertical mount, 3 lamp
PLAST4V	Chrome-plated plastic housing, vertical mount, 4 lamp
64FKIT	Kit to convert 600 Series to fit in old style 64 Series hole cutouts



500 Super-LED® Series

- **NEW V-Series™** has 3-in-1 combination warning, alley/flood and ground illuminating puddle light
- **NEW** Single color combination 180° and TIR directional warning light, does not include White alley/flood or puddle light feature
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Requires optional mounting
- Solid color available with Clear or color lens
- V-Series and split color lights have Clear lens
- Long life LED operation with low current draw and low operating temperature
- Five year HDP® Heavy-Duty Professional warranty



Model	Optic	Technology	Mount	Color	VDC	Amps	Patterns	Cable	Certifications	Size
50*02Z*R	Directional	Linear-LED®	Horizontal, requires optional mounting	A, R, B, W	12	1.0/peak .40/avg	25 Scan-Lock™	6" Pigtail	B (A/B) C D (A/B)	1-5/8" (41mm) H x 1-3/4" (44mm) D x 5" (127mm) L
50**2ZCR				A/A, B/B, W/W R/R, A/W, B/W, W/R		.50/peak .20/avg per side				
5V*02Z*R		Vertical, requires optional mounting	A, R, B, W	1.0/peak .40/avg						
50*03Z*R		TIR6™ Super-LED	Horizontal Requires optional mounting	A, R, B, W		.63/peak .315/avg				
50**3ZCR	A/A, B/B, W/W R/R, A/W, B/W, W/R			.315/peak .125/avg per side						
5V1*	V-Series with directional	TIR Super-LED	Horizontal Requires optional mounting	A, R, B, W	12	1.5/peak 0.6/avg	25 Scan-Lock™	6" Pigtail	B (B) D	2-1/8" (54mm) H x 1-5/8" (42mm) D x 5-3/8" (137mm) L
5V3*	V-Series	Super-LED		A, R, B, W warning, with W illumination		0.12 warning 1.0 alley 0.5 puddle				

Replace symbol* in model number with letter indicating color desired: A=Amber, B=Blue, C=White, R=Red First * or ** is for LED color, last * is for LENS color.

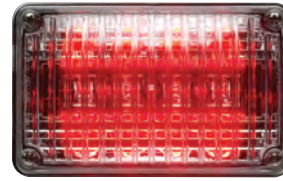
Option Model	Option Description
5FLANGEB	Black flange kit
5FLANGEC	Chrome plated flange kit
5FLANGEP	Polished aluminum flange kit
5GROMMET	Rubber grommet kit
5GBKT	L Bracket for use with grommet mount lighthead
5TSMAB	Black surface mount adapter, TIR6 Super-LED only
5TSMAC	Chrome plated surface mount adapter, TIR6 Super-LED only
5LSMAB	Black surface mount adapter, Linear-LED® only

Option Model	Option Description
5LSMAC	Chrome plated surface mount adapter, Linear-LED only
5BRUSH	Aluminum brush guard for TIR6 only, requires flange
5GMZLRC	Chrome plated grille mount for 2015 Freightliner M2, pair
5IMZLRC	Chrome plated fender mount for 2015 Freightliner M2, pair
5BKT1	Universal mounting bracket for Super-LED

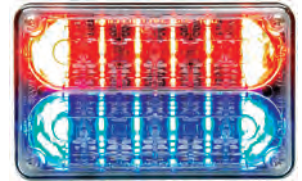


400 Series

- Available with Clear or color lens, V-Series™ has Clear lens only
- **NEW** V-Series has 3-in-1 combination warning, alley/flood and ground illuminating puddle light
- Available with or without internal flasher
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Single level is surface mount
- Single level models include Scan-Lock™ flash patterns with steady-burn and synchronize feature
- Dual level has individual control of upper and lower level
- Five year HDP® Heavy-Duty Professional warranty



40R02ZCR



40RB5SCR



4V3R

Model	Optic	Technology	Mount	Color	VDC	Amps	Patterns	Cable	Certifications	Size
40**5SCR	Directional	Linear-LED®	Requires optional mounting	A, R, B, W	12	1.8/peak 0.72/avg	Requires optional flasher	6" Pigtail	A (Upper R/S/W) C W	3-3/16" (77mm) H x 2" (50mm) D x 4-15/16" (124mm) L
40*02Z*R			Surface			.90/peak 0.36/avg	25 Scan-Lock		A (Lower) B,C,D	3-3/16" (77mm) H x 1-3/8" (34mm) D x 4-15/16" (124mm) L
4V3*	V-Series	Super-LED®	Surface	A, R, B, W warning, steady W for alley and puddle		1.2 warning 0.40 alley 0.12 puddle	25 Scan-Lock patterns		A (Lower) B (A/B/R) W	3-1/16" (77mm) H x 2- 3/4" (69mm) D x 4-15/16" (124mm) L

Replace symbol* in model number with letter indicating color desired: A=Amber, B=Blue, C=White, R=Red
First * or ** is for LED color, last * is for Lens color.

Option Model	Option Description
4EFLANGE	Chrome plated flange kit for single level only
4FLANGEB	Black flange kit for single level only
4TSMAB	Black surface mount adapter
4TSMAC	Chrome surface mount adapter

Option Model	Option Description
4EGRILP	Grille-Master™ Chrome housing with swivel bracket
4EGRILB	Grille-Master Black housing with swivel bracket



4EFLANGE



4FLANGEB



4TSMAB



4TSMAC



4EGRILB



4EGRILP

ION™ Series

- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Integrate with other Whelen products through synchronize feature
- Five year HDP® Heavy-Duty Professional warranty

ION & WION

- ION models feature TIR directional optic
- WION models feature wide-angle optic
- Available in single or split colors
- Includes steady-burn, alternating and simultaneous patterns

NEW ION 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 and color three. Color three has steady-burn override



Model	Optic	Technology	Mount	Color	Housing	VDC	Amps	Patterns	Cable	Certifications	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																						
IONW*					White					C, D (W)																							
ION#				R/B, R/W, B/A	Black					A, B, C, D (A/R)																							
IONW#					White					B, C, D (B)																							
WION*	Wide-angle			Super-LED®	Universal					A, R, B, W		Black	12	1/peak 0.40/avg	25 Scan- Lock™	6" Pigtail	A, C, D (W)	1-11/16" (43mm) H x 1-1/8" (28mm) D x 5-15/16" (150mm) L															
WIONW*												White					A, B, C, D (A/R)																
WION#										R/B, R/W, B/A		Black					B, C, D (B)																
WIONW#												White					A, C, D (W)																
IONSM*	Directional	Super-LED®	Surface, includes flange							A, R, B, W	Black	12					1/peak 0.40/avg		25 Scan- Lock™	6" Pigtail	B, C, D (A/B/R)	1-11/16" (43mm) H x 1-1/8" (28mm) D x 5-15/16" (150mm) L											
IONSMW*											White										C, D (W)												
IONSMC*										R/B, R/W, B/A	Black										A, B, C, D (A/R)												
IONSM#											Chrome										B, C, D (B)												
IONSMW#	Wide-angle			Super-LED®	Surface, includes flange					A, R, B, W	Black							12			1/peak 0.40/avg		25 Scan- Lock™	6" Pigtail	A, C, D (W)	1-11/16" (43mm) H x 1-1/8" (28mm) D x 5-15/16" (150mm) L							
WIONSMW*											White														A, B, C, D (A/R)								
WIONSMC*										R/B, R/W, B/A	Black														B, C, D (B)								
WIONSM#											Chrome														A, C, D (W)								
WIONSMW#	R/W	Super-LED®	Surface, includes flange			R/B, R/W, B/A	Black	12	1/peak 0.40/avg	25 Scan- Lock™	6" Pigtail											B, C, D (A)			1" (25mm) H x 1-1/4" (32mm) D x 4" (101mm) L								
WIONSM#							White																										
WIONSMCD	R/A/W B/A/W					Linear-LED	Universal															A/W B/W R/W B/R B/A					Black	12	1/peak 0.40/avg per color	64	6" Pigtail	B, C, D (A)	1" (25mm) H x 1-1/4" (32mm) D x 4" (101mm) L
I2#																											R/B/W R/B/A R/A/W B/A/W					Black	
I3#	R/B/W R/B/A R/A/W B/A/W			Black	25																												

Replace symbol* in model number with letter indicating color desired: A=Amber, B=Blue, C=White, R=Red
 Replace symbol# in model number with letter indicating split color desired: D=Red/White, F=Amber/White, J=Red/Blue, K=Red/Amber, M=Blue/Amber
 For TRIO Lightheads replace symbol # with dual letters indicating colors desired: JC=Red/Blue/White with White override, JA=Red/Blue/Amber with Amber override, KC=Red/Amber/White with White override, MC=Blue/Amber/White with White override

Option Model	Option Description
IONK1W	Swivel mount bracket, White
IONK1B	Swivel mount bracket, Black
IONGROM	Grommet mount kit
IONPEDB	Black pedestal mount

Option Model	Option Description
IONPEDC	Chrome plated pedestal mount
IONBKT1	License plate bracket for 2 lights
IONBKT4	Rear hatch bracket, 2013-15 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



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 minimize environmental damage from the sun, salt and road chemicals
- Integrate with other Whelen products through synchronize feature
- Five year HDP® Heavy-Duty Professional warranty



IONV1B



IONV3R

Model	Optic	Technology	Mount	Colors	Housing	VDC	Amps	Patterns	Cable	Certifications	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, C=White, R=Red

Option Model	Option Description
IONK1W	Swivel mount bracket, White
IONK1B	Swivel mount bracket, Black
IONGROM	Grommet mount kit
IONPEDB	Black pedestal mount

Model	Option Description
IONPEDC	Chrome plated pedestal mount
IONBKT1	License plate bracket for 2 lights
IONBKT4	Rear hatch bracket, 2013-15 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



IONK1W



IONK1B



IONGROM



IONPEDB



IONPEDC



IONBKT1



IONBKT5



IONBKT6

Micron™ Series

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



MCRNSCJ



MCRNSR

Model	Technology	Mount	Color	Lens	Housing	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*					Chrome					
MCRNSK			A/R		Black					
MCRNSJ			B/R							
MCRNSD			W/R		Chrome					
MCRNSCK			A/R							
MCRNSCJ			B/R							
MCRNSCD			W/R							

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

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



MCRNB1



MCRNB2

TIR3™, LIN3™ & LINZ6™ Series

- Includes Black polycarbonate mounting flange
- Fully encapsulated for moisture, vibration and corrosion resistance
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Integrate with other Whelen products through synchronize feature
- Includes steady-burn, alternating and simultaneous patterns
- Split LINZ6 will alternate or simultaneous flash each color segment (3x3)
- Five year HDP® Heavy-Duty Professional warranty



RSB03ZCR



RVR03ZCR



RSR02ZCR



LINZ6B

Model	Optic	Technology	Mount	Color	VDC	Amps	Patterns	Encap-ulated	Cable	Certifications	Size
RS*03ZCR	Directional	TIR3 Super-LED®	Horizontal, surface	A, R, B, W	12	0.40/peak 0.16/avg	25 Scan-Lock™	Yes	6" Pigtail	B (R) C (A) D W (Class 1 B/W)	1-1/8" (28mm) H x 1-1/4" (32mm) D x 3-1/2" (89mm) L
RV*03ZCR			Vertical, surface								
RS*02ZCR		LIN3 Super-LED									
LINZ6*		LINZ6 Super-LED	Horizontal, surface	R/W, R/B, R/A		0.75/peak 0.30/avg	69 Scan-Lock			A (Lower only, R) B (A/B/R) C D (Class 1) W	2" (48mm) H x 1-5/8" (40mm) D x 4" (102mm) L
LINZ6#											
LINZ61											
LINZ62											
LINZ65											

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

Option Model	Model	Option Description
RFLANGEC	TIR3 LIN3 LINZ6	Chrome plated flange kit
RFLANGCD		Deep Chrome plated flange kit
RFLANGEA		Cast aluminum flange kit
RFLANG2C		Chrome plated flange for dual lighthoods
RFLANG2B		Black flange for dual lighthoods
RGROMMET		Grommet mount kit except LINV2
RBKT1		Mounting bracket for one lighthouse
RBKT2		Mounting bracket for two lighthoods
RBKT4	TIR3/LIN3	Swivel mounting bracket for one lighthouse

Option Model	Model	Option Description
RBKT5	TIR3 LIN3 LINZ6	Under sideview mirror bracket, Chevy Tahoe, 2009-2013
RBKT6		License plate bracket for 2 lighthoods-horizontal
RBKT7		License plate bracket for 2 lighthoods-vertical
RBKT10		Dodge Charger trunk mount- pair
RBKT11		Above rear taillight bracket, Ford F-150, 2013-2014
RBKT12		Above rear taillight bracket, Ford F-250/350/450/550, 2013-2015
RBKT14		Above rear taillight bracket, Chevy Silverado/GMC 1500, 2014-2015
RBKT16		Trunk Mount Bracket Ford Police Interceptor Sedan, pair, 2013-2015
RBKT17		Above rear taillight bracket, Dodge Ram, 2014-2015
RBKT18		Above rear taillight bracket, Ford F-150, 2015
RBKT19		Below rear taillight bracket, Ford F-150, 2015
LINZ6FC		Deep Chrome plated flange kit
L6BKT2		Dodge Charger trunk mount- pair
L6BKT3		46° push bumper bracket

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



LINV2™ V-Series™

- Combination 180° warning and puddle light
- Includes Black flange
- Fully encapsulated for moisture, vibration and corrosion resistance
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Includes steady-burn, alternating and simultaneous patterns
- Integrate with other Whelen products through synchronize feature
- Five year HDP® Heavy-Duty Professional warranty



LINVS2B



LINV2R

Model	Optic	Technology	Mount	Color	VDC	Amps	Patterns	Encap-sulated	Cable	Certifications	Size
LINV2*	V-Series	Super-LED®	Horizontal, surface	A, R, B, W	12	0.75 warning 0.12 puddle	25 Scan-Lock™	Yes	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								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, C=White, R=Red

Option Model	Model	Option Description
RFLANGEC	LINV2	Chrome plated flange kit
RFLANGCD		Deep Chrome plated flange kit
RFLANGEA		Cast aluminum flange kit
RFLANG2C		Chrome plated flange for dual lightheds
RFLANG2B		Black flange for dual lightheds
RGROMMET		Grommet mount kit except LINV2
RBKT1		Mounting bracket for one lighthouse
RBKT2		Mounting bracket for two lightheds
RBKT4		Swivel mounting bracket for one lighthouse
RBKT5		Under sideview mirror bracket, 18° downward housing, Chevy Tahoe, 2009-2013
RBKT6		License plate bracket for 2 lightheds-horizontal
RBKT7		License plate bracket for 2 lightheds-vertical
RBKT10		Dodge Charger trunk mount- pair
RBKT11		Above rear taillight bracket, Ford F-150, 2013-2014
RBKT14		Above rear taillight bracket, Chevy Silverado/GMC 1500, 2014-2015
RBKT16		Trunk Mount Bracket Ford Police Interceptor Sedan, 2013-2015, pair
RBKT17		Above rear taillight bracket, Dodge Ram, 2014-2015

Option Model	Model	Option Description
LSVBKT13	LINSV2	Under-the-side view mirror mount, pair, Chevy Sliverado 1500/2500, 2014-2015
LSVBKT34		Under-the-side view mirror mount, pair, Ford Explorer, 2011-2015, Police Interceptor Utility, 2013-2015
LSVBKT35		Under-the-side view mirror mount, pair, Dodge Charger, 2011-2015
LSVBKT37		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 Surburban, 2015

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



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 minimize environmental damage from the sun, salt and road chemicals
- Clear outer lens, color LEDs
- Five year HDP® Heavy-Duty Professional warranty



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

Replace symbol* in model number with letter indicating color desired: A=Amber, B=Blue, C=White, R=Red,
Replace symbol# 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
VTXFC	Chrome plated flange
VTXFB	Black flange



Strip-Lite™

- Slim rectangular shape offers mounting versatility in tight spaces
- Fully encapsulated for moisture, vibration and corrosion resistance
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Easily surface mounts with two screws
- Low current consumption
- Polycarbonate construction
- Five year HDP Heavy-Duty Professional warranty



PSR00FRR

Model	Technology	Mount	Color	VDC	Amps	Patterns	Cable	Certifications	Size
PS*00F*R	LED	Surface	A, R, B, W	12	0.675/max 0.27/avg	14 Scan-Lock including steady-burn	6" Pigtail	C	1" (25mm) H x 1-3/8" (35mm) D x 11-1/2" (292mm) L

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

Option Model	Option Description
PSBKT451	45° mounting bracket
PSBKT1	Guard for use with or without angle bracket



4" Round Series

- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Supplied with adapter for PAR-36 (4-1/2") applications
- Five year HDP® Heavy-Duty Professional warranty

Flat Lens

- TIR6™ Super-LED® with synchronize feature

Extended Lens

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



TIR6, Flat Lens



Linear6, Extended Lens



Fog light mount

Model	Type	Technology	Mount	Color	VDC	Amps	Patterns	Encap- sulated	Cable	Certifications	Size			
2F*00Z*R	Flat lens	TIR6 Super-LED	Surface	A, R B, W	12	0.8/max .32/avg	25 Scan-Lock™	Yes	6" Pigtail	C, D B (A)	4"-1/4(108mm) Dia.x 1-3/16" Depth			
2E*00Z*R	Extended lens	Linear6 Super-LED	Requires optional mounting	A, R B, W		25 Scan-Lock	2/peak 0.9 avg			25 Scan-Lock	B (Lower) B (B/R) C, D	B, C, D	4"-1/4 (108mm) Dia. x 2" Depth	
2E#00ZCR				R/B, R/W, B/W		69 Scan-Lock								
FEDC06*R	Extended lens with fog light mount, includes mounting		2011-2015 Dodge Durango	A, R B, W		25 Scan-Lock								
FEDC06#R				R/B, R/W, B/W		69 Scan-Lock								
FDFP11*R				2010-2014 Ford Expedition		Interleaved A, R B, W								25 Scan-Lock
FDFP11JR						Interleaved B over R								69 Scan-Lock
FEFP11*R				2011-2014 Ford Expedition		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, C=White, R=Red.
Replace # in model number with Split color desired: D=Split Red/White, J=Split Red/Blue, K=Split Red/Amber

Option Model	Option Description
2GROMMET	Rubber grommet kit - not for fog mount lights
2FLANGEC	Chrome flange kit - not for fog mount lights
2FLANGEB	Black flange kit - not for fog mount lights



2FLANGEC



2FLANGEB



2GROMMET

3" & 3-1/2" Round Series

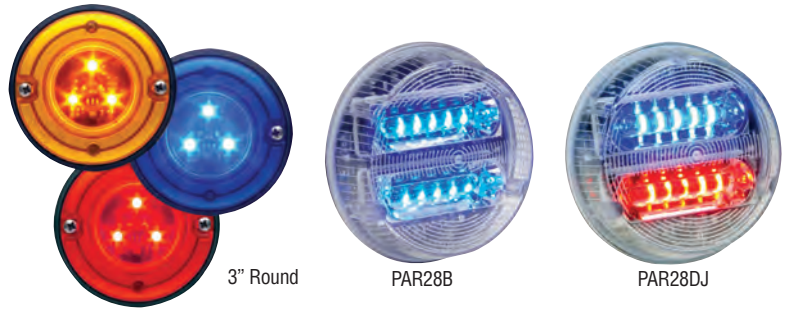
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Five year HDP® Heavy-Duty Professional warranty

3" Round

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

3-1/2" Round

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



Model	Series	Technology	Mount	Color	VDC	Amps in mA	Patterns	Cable	Certification	Size
3S*00F*R	3" Round	LED	Surface	A,R,B	12	.50/peak .25/avg	160 FPM	6" Pigtail	A C,D (Class 1, 2 & 3)	3" (76mm) Dia.
PAR28*	3-1/2" Round	Linear6 Super-LED®	Fog light	A,R,B,W		2/peak .9/avg	25 Scan-Lock		A,B,C,D	3-1/2" (89mm) Dia.
PAR28#				R/B, R/W, B/W		69 Scan-Lock	A,B,C,D			
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						

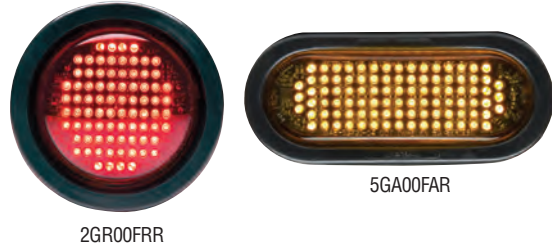
Replace symbol* in model number with letter indicating color desired: A=Amber, B=Blue, C=White, R=Red
 Replace symbol# in model number with letter indicating split color desired: D=Split Red/White, J=Split Red/Blue, K=Split Red/Amber

Option Model		Option Description
3"	3-1/2"	
3FLANGEC	-	Chrome plated flange
3GROMMET	-	Rubber grommet kit
-	P28FX11	Fog light munt for Ford Explorer, 2011-2015, and Police Interceptor Utility, 2013-2015 Requires optional Ford OEM fog light hardware and bracket, purchased from Ford



2G & 5G Series

- Fits all applicable industry mounting accessories
- Fully encapsulated for moisture, vibration and corrosion resistance
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Optional flange available for surface mounting
- Five year HDP Heavy-Duty Professional warranty



Model	Technology	Mount	Color	Lens	VDC	FPM	Amps in mA	Cable	Certifications	Size
2G*00F*R	LED	Grommet mount (includes vinyl grommet)	A, R	A, R	12	15 Scan-Lock™	300/avg 500/peak	12" Pigtail	D - (Class 1) C - (Class 2)	5-1/2" (140mm) Dia. x 1-1/4" (32mm) D (with grommet)
2G*00FCR				Clear						
5G*00F*R				A, R					C, D (Class 1 & 2)	3-3/16" (81mm) H x 7-7/16" (189mm) W x 1-1/4" (32mm) D (with grommet)
5G*00FCR				Clear						

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

Option Model		Option Description
2G	5G	
2GFLANGC	5GFLANGC	Surface mount Chrome plated flange kit
2GFLANGB	5GFLANGB	Surface mount Black flange kit
2GBKT1	5GBKT1	Black surface mount "L" bracket



OS™ Series

- Fully encapsulated for moisture, vibration and corrosion resistance
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Includes Chrome housing
- Clear outer lens, color LEDs
- Five year HDP Heavy-Duty Professional warranty



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, C=White, R=Red

LED Brake/Tail/Turn Lights

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



Model	Series	Technology	Mount	Color	Lens	VDC	Amps	Cable	Certifications	Size	
20R00XRR	4" Round	LED	Requires optional mounting	R	R	12	.4 high .04 low	6" Pigtail	J, K, L, Y, X, Q	4-1/4" dia.	
M6BTT	M6 Series	Super-LED®	Surface				0.85 brake 0.06 tail		J, K, L, X, Y	4-5/16" (109mm) H x 6-3/4" (170mm) W x 1-3/8" (35mm) D	
M9BTTX	M9 Series						0.75 brake 0.55 tail			6-1/2" (165mm) H x 10-3/8" (263mm) W x 1-3/8" (35mm) D	
5SR00XRR	500 Series						LED			Requires optional mounting	.25 high .05 low
50R00XRR											
40BTT	400 Series	Super-LED	Surface				.375 brake .040 tail		J, K, I	3-3/16" (77mm) H x 2-3/4" (69mm) D x 4-15/16" (124mm) L	
60BTT	600 Series						.375 brake .040 tail			A, B, C, W	4-1/8" (105mm) H x 1-3/8" (35mm) D x 6-1/2" (165mm) L
70BTT	700 Series										3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L
90BTT	900 Series										7-1/8" (181mm) H x 1-3/8" (35mm) D x 9-1/8" (232mm) L
PSR00XRR	Strip-Lite™	LED					.5 high/.05 low		J, K	1" (25mm) H x 1-3/8" (35mm) D x 11-1/2" (292mm) L	
PSRASXCR											

Option Model								Option Description
4" Round	M6	M9	500	600	700	900	Strip-Lite	
2FLANGEC	M6FC	M9FC	5FLANGEC	6FLANGE	7FLANGE	90FLANGC	-	Chrome plated flange
2FLANGEB	M6FB	M9FB	5FLANGEB	6FLANGEB	7FLANGEB	90FLANGB	-	Black flange
-	M6BRUSH	-	5BRUSH	-	-	-	PSBKT1	Brush guard
2GBKT1	-	-	5GBKT1	-	-	-	-	"L" bracket
-	-	-	5FLANGEP	-	-	-	-	Polished aluminum flange
2GROMMET	-	-	5GROMMET	-	-	-	-	Grommet mount kit
-	M6FCV2	-	-	-	-	-	-	Chrome flange for two lightheads, vertical
-	M6FCV3	-	-	PLAST3V	-	-	-	Chrome flange for three lightheads, vertical
-	M6FCV4	-	-	PLAST4VL	-	-	-	Chrome flange for four lightheads, vertical
-	-	-	-	CAST3H	-	-	-	Three lighthead cast aluminum housing, horz.
-	-	-	-	CAST3	7CAST3	-	-	Three lighthead cast aluminum housing, vert.
-	-	-	-	CAST4V	-	-	-	Four lighthead cast aluminum housing, vert.
	M6FC600							Chrome flange adapts M6 to 600 Series mounting



LED Turn Signals

- Arrows may be mounted left or right
- 400 LED Series is turn indicator/front marker clearance light combination
- M Series are surface mounted
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Mounting options are purchased separately
- Five year HDP® Heavy-Duty Professional warranty



Model	Series	Technology	Mount	Color	VDC	Amps	Patterns	Cable	Certifications	Size
M6T	M6 Series	LED	Surface	A	12	.75/max	8	6" Pigtail	L, Y	4-5/16" (109mm) H x 6-3/4" (170mm) W x 1-3/8" (35mm) D
M9T	M9 Series					1.2/max				6-1/2" (165mm) H x 10-3/8" (263mm) W x 1-3/8" (35mm) D
40A00AAR	400 Series		Surface, optional mounting available			.4/max .06/avg	2		X, Y	3-3/16" (77mm) H x 2-3/4" (69mm) D x 4-15/16" (124mm) L
60A00TAR	600 Series					.7/max .35/avg	6			L, Y
70A00TAR	700 Series					.9/max .45/avg			3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L	
90A00TAR	900 Series					1.25/max 1/avg	17		7-1/8" (181mm) H x 1-3/8" (35mm) D x 9-1/8" (232mm) L	

Option Model						Option Description
M6	M9	400	600	700	900	
M6FC	M9FC	4EFLANGE	6EFLANGE	7EFLANGE	9EFLANGE	Chrome plated flange
M6FB	M9FB	4FLANGE B	6FLANGE B	7FLANGE B	9EFLANGE B	Black flange
M6BRUSH	M9BRUSH	-	-	-	-	Brush guard
M6FCV2	-	-	-	-	-	Chrome flange for two lighthoods, vertical
M6FCV3	-	-	PLAST3V	-	-	Chrome flange for three lighthoods, vertical
M6FCV4	-	-	PLAST4VL	-	-	Chrome flange for four lighthoods, vertical
-	-	-	CAST3H	-	-	Three lighthouse cast aluminum housing, horizontal
-	-	-	CAST3	7CAST3	-	Three lighthouse cast aluminum housing, vertical
-	-	-	CAST4V	-	-	Four lighthouse cast aluminum housing, vertical
M6FC600	M9FC900	-	-	-	-	Chrome flange converts to hundred series lighthouse



Super-LED® & LED Back-Up Lights

- M Series are surface mounted
- Mounting options are purchased separately
- 400, 600 and 700 Series LED may additionally be used as interior lights
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Five year HDP® Heavy-Duty Professional warranty



Model	Series	Technology	Mount	Color	VDC	Amps	Patterns	Cable	Certifications	Size
M6BUW	M6 Series	Super-LED	Surface	W	12	1.6	Steady	6" Pigtail	N	4-5/16" (109mm) H x 1-3/8" (35mm) D x 6-3/4" (170mm) L
M9BUW	M9 Series					1.8				6-1/2" (165mm) H x 1-3/8" (35mm) D x 10-3/8" (263mm) L
5GC00WCR	5G Series		Grommet			.15				3-3/16" (77mm) H x 1-1/2" (38mm) D x 7-7/16" (189mm) L
50C00WCR	500 Series	LED	Mounting required			.35				1-5/8" (41mm) H x 1-3/4" (44mm) D x 5" (127mm) L
40C00VCR	400 Series		3-3/16" (77mm) H x 2-3/4" (69mm) D x 4-15/16" (124mm) L							
60C00VCR	600 Series	LED minimum	Surface, optional mounting available			.35				4-1/8" (105mm) H x 1-3/8" (35mm) D x 6-1/2" (165mm) L
60C00WCR		LED maximum				0.6				
70C00VCR	700 Series	LED minimum				.35				3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L
70C00WCR		LED maximum				0.5				

Option Model						Option Description
M6	M9	400	500	600	700	
M6FC	M9FC	4FLANGE	5FLANGEC	6FLANGE	7FLANGE	Chrome plated flange
M6FB	M9FB	4FLANGEB	5FLANGEB	6FLANGEB	7FLANGEB	Black flange
M6BRUSH	M9BRUSH	-	5BRUSH	-	-	Brush guard
-	-	-	5FLANGEP	-	-	Polished aluminum flange
M6FCV2	-	-	-	-	-	Chrome flange for two lightheads, vertical
M6FCV3	-	-	-	PLAST3V	-	Chrome flange for three lightheads, vertical
M6FCV4	-	-	-	PLAST4V	-	Chrome flange for four lightheads, vertical
-	-	-	-	CAST3H	-	Three lighthead cast aluminum housing, horizontal
-	-	-	-	CAST3	7CAST3	Three lighthead cast aluminum housing, vertical
-	-	-	-	CAST4V	-	Four lighthead cast aluminum housing, vertical
M6FC600	M9FC900	-	-	-	-	Chrome flange converts to hundred series lighthead



Super-LED® & LED Interior Lighting

- Super-LED model 86CE1 has 12 diodes and Hi/Low control and is certified to KKK 1822F AMD 024 Standard when properly installed
- LED 2" Round Series includes 2-1/2" adapter for customer supplied 2-1/2" grommet, plus a 3" and 3-1/2" flange mount
- Strip-Lite™ available in two levels of intensity
- Fluorent Plus™ Series is available in increments of 9" (228mm) and includes both a C clip for snap-in and P clip for fixed mounting. Silicone rubber end caps
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- 12 VDC
- Five year HDP® Heavy-Duty Professional warranty



Model	Series	Technology	Application	Mount	Amps	Cable	Size	
86CE1	8 x 6 Interior light	Super-LED	Rectangular interior dome	Semi-recessed	2/high .20/low	6" Pigtail	6-7/16" (163mm) H x 1-1/4" (32mm) D x 8-3/16" (208mm) L	
TOCACCCR	2" Round	5mm LED	Compartment	Surface	.025		2" (51mm) Dia.	
5SCA0CCR	500 Series	LED			.300		1-5/8" (41mm) H x 1-3/4" (44mm) D x 5" (127mm) L	
20C0CDCR	2G Series (4" round)	Super-LED		Surface, requires optional mounting	.360	6" Pigtail includes Deutsch® connector	4" (102mm) Dia.	
20C0CDCD								
5GC0CCCR	5G Series			Grommet	.525		3-3/16" (81mm) H x 1-1/2" (38mm) D x 7-7/16" (189mm) L	
PSC0ADCR	Strip-Lite	LED		Compartment tube lighting	Surface	.240	6" Pigtail	1" (25mm) H x 1-3/8" (35mm) D x 11-1/2" (292mm) L
PSC0CDCR						.480		5/8" (16mm) H x 9" (228mm) L
F09PC	Fluorent Plus	Super-LED	.06			5/8" (16mm) H x 18" (457mm) L		
F18PC			.125			5/8" (16mm) H x 27" (686mm) L		
F27PC			.16			5/8" (16mm) H x 36" (914mm) L		
F36PC			.18			5/8" (16mm) H x 45" (114cm) L		
F45PC			.24			5/8" (16mm) H x 54" (137cm) L		
F54PC			.32			5/8" (16mm) H x 63" (160cm) L		
F63PC			.42					

Option Model	Series	Option Description
TFLANGEC	2" Round	Surface mount Chrome plated flange kit
TFLANGEB		Surface mount Black flange kit
TGROM2		Grommet mounting kit
2GFLANGC	2G (4" round)	Surface mount Chrome plated flange kit
2GFLANGB		Surface mount Black flange kit
2GROMMET		Grommet mounting kit

Option Model	Series	Option Description
5GFLANGC	5G	Surface mount Chrome plated flange kit
5GFLANGB		Surface mount Black flange kit
PSBKT1	Strip-Lite	Guard for use with or without angle bracket
PSBKT451		45° stainless steel bracket



Super-LED® & LED Interior Lighting

- 3" Round Red, Red/White and Blue/White are designed for better night vision and includes independent control of color and White light
- 6" Round extreme low profile surface mount is available in 24 volt models. Certified for NFPA 1901 and NFPA 1917 AMD 024 Standard when properly configured
- 700 Series has illuminated switches
- 8" Round has high lumen output of 1,000/Hi and 80/Low, simulating natural light at midday. Certified to meet KKK 1822F AMD 024 Standard requirements when properly installed
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Includes 6" pigtail
- 12 VDC
- Five year HDP® Heavy-Duty Professional warranty



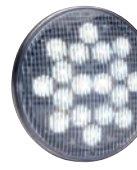
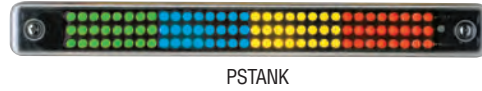
Model	Series	Technology	Application	Color	Mount	Housing	Switch	Amps	Size		
3SC0CDCR	3" Round	LED	Compartment	W	Surface, optional mounting available	Rubber gasket housing	-	.380	3" (76mm) Dia.		
3SROCDRR			Nighttime illumination	R				.300			
3SBCCDCR			Compartment	B/W				.310			
3SRCCDCR				R/W							
60C0EHCR	6" Round	Super-LED	Compartment/interior	W	Surface	-	-	1.2/High .13/Low	6" (152mm) Dia. x 5/8" (16mm) D		
60C0EJCS				On/Off			.70/High				
60CBEGCS				Dual switches for On/Off color and On/ Off and White			.70/White .50/Blue				
60CREGCS							.70/White .50/Red				
70CREGCS	700 Series	LED		R/W			Backlighted dual switches for On/Off color and White	.35/White .50/Red 2mA/switch	3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L		
80C0EHCR	8" Round	Super-LED	Ambulance interior light	W	4 Screws, fits industry standard 8" cutout, no mounting hardware required	Chrome flange	Built-in Hi/Low intensity	1.2/High .13/Low	8-5/8" (218mm) Dia. x 1" (24mm) D		
80C00EZR										Fits 8" cutout with spring clip mounting, no mounting hardware required	White flange
8WC00EZR											
80CBEHCR				B/W	4 Screws	Chrome flange		1.5/White .50/color			
80CREHCR				R/W							

Option Model	3" Round Option Description
3FLANGEC	Chrome plated flange, surface mount
3GROMMET	Grommet mount



Illumination, Marker or Clearance, Tank Light & PAR Replacement Lamps

- OS™ Series includes Chrome housing. It's 45° angle illuminates step surfaces and areas needing angled lighting. Interior or exterior use
- OS Series marker/clearance has Clear lens
- 2" Round Series marker or clearance light includes 2-1/2" adapter for customer supplied 2-1/2" grommet, plus a 3" and 3-1/2" flange mount. Includes color lens
- PSTANK light indicates fluid level of water tank on vehicle (light only, customer supplied tank sensors)
- PEL Series has 40° downward projected light for illumination of vehicle's perimeter
- PAR lights have heavy-duty heatsink and industry standard brass slotted head connection point
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Includes 6" pigtail
- Five year HDP® Heavy-Duty Professional warranty



Model	Series	Technology	Application	Mount	Color	Housing	VDC	Amps	Size
OSCOEDCR	OS Series	LED	White illumination	Surface	W	Chrome	12	0.3	1" (25mm) H x 1/2" (13mm) D x 1-1/2" (38mm) L
OACOEDCR									1" (25mm) H x 7/8" (21mm) D x 1-7/8" (48mm) L
OSA00MCR			Marker or clearance		A	-		0.8/peak 0.5/avg	2" (51mm) Dia.
OSR00MCR					R				
TOA00MAR	2" Round	LED	Marker or clearance	Surface	A	-	0.8/peak 0.5/avg	2" (51mm) Dia.	
TOR00MRR					R				
PSTANK	Strip-Lite™	LED	Fluid indicator	Surface	R,A,B,G	-	12	0.45/peak	1-3/8" (35mm) H x 11-1/2" (292mm) L
PELCC	PEL Series	LED	Ground perimeter lighting	Surface	W	Chrome	24	.85	1" (25mm) H x 1-3/8" (35mm) D x 11-1/2" (292mm) L
PELCB						Black			
PELCC4						Chrome		.37	
PELCB4						Black			
P46SLC	PAR-46	Super-LED®	2° Spotlight	Drop-in replacement for outdated halogen spotlight lamps	W	Black powder coated die-cast aluminum heatsink	12	23	5-5/8" (144mm) Dia x 2-11/16" (69mm) D
P46FLC			8° Spotlight					1.9	
P46WLC			20° x 60° Floodlight						
P46S2*			8° Spotlight with Blue or Red warning					1.0 warning 1.4 spot	
P46S2X			8° Spotlight with California Steady Red						
P46S2*3			8° Spotlight with Blue or Red warning						
P36SLC	PAR-36	LED	2° Spotlight	Surface	W	-	12/24	0.85 @ 12 VDC 0.325 @ 24 VDC	4-1/2" (111mm) Dia. x 2" (51mm) D

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

Option Model	2" Round Option Description
TGROM2	Rubber grommet mount
TFLANGEC	Surface mount flange, Chrome
TFLANGEB	Surface mount flange, Black



Super-LED® & LED Scenelights

- Super-LED surface mount lightheads are instant on with no warm-up time
- 500 Series lightheads require mounting option, purchased separately
- 900 and M9 Series lightheads are certified to meet KKK 1822-F requirements and AMD 024 Standard
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Five year HDP® Heavy-Duty Professional warranty



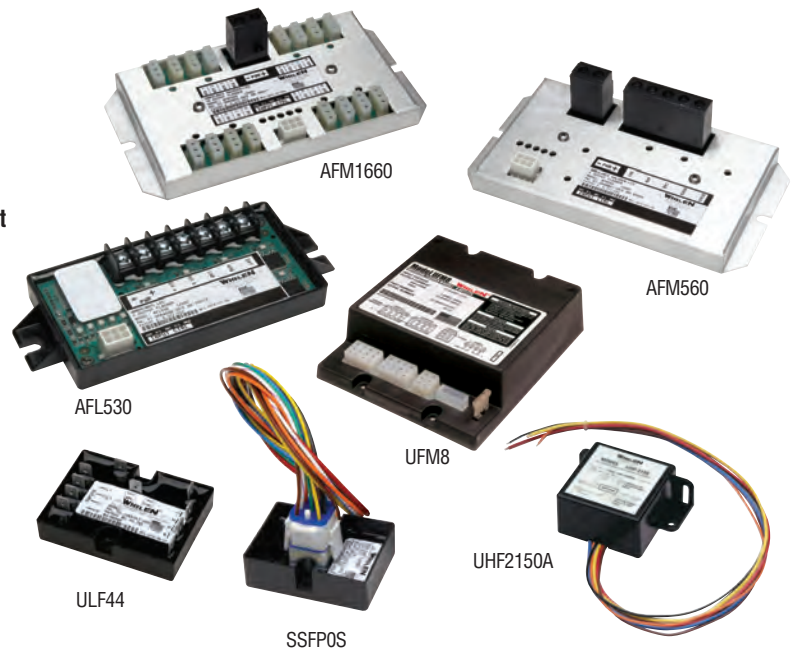
Model	Series	Technology	Mount	Color	VDC	Amps	Patterns	Cable	Size
50C000ZR	500 Series	LED	Requires optional mounting	W	12	.300	Steady	6" Pigtail	1-5/8" (41mm) H x 1-3/4" (44mm) D x 5" (127mm) L
6SC0ENZR	600 Series	Surface	1			4-1/8" (105mm) H x 1-3/4" (44mm) D x 6-1/2" (165mm) L			
60C0ELZR		Requires optional mounting	2			3-1/16" (78mm) H x 1-3/4" (44mm) D x 7-1/4" (184mm) L			
70C0ELZR	700 Series	Surface, includes Chrome flange	6			7-1/8" (181mm) H x 1-3/4" (44mm) D x 9-1/8" (232mm) L			
M6ZC	M6 Series	Surface	2			4-5/16" (109mm) H x 1-3/8" (35mm) D x 6-3/4" (170mm) L			
M7ZC	M7 Series	Surface	2.25/peak .9/avg			3-3/8" (86mm) H x 1-3/8" (35mm) D x 7-5/8" (194mm) L			
M9LZC	M9 Series	Surface, includes Chrome flange	6			6-1/2" (165mm) H x 1-3/8" (35mm) D x 10-3/8" (263mm) L			

Option Model							Option Description
500	M6	M7	M9	600	700	900	
5FLANGEC	M6FC	M7FC	M9FC	6EFLANGE	7EFLANGE	90FLANGC	Chrome plated flange
5FLANGEB	M6FB	M7FB	M9FB	6FLANGEB	7FLANGEB	90FLANGB	Black flange
5GROMMET	-	-	-	-	-	-	Grommet mount kit



LED and Halogen Flashers

- Polycarbonate housing
- UHF Series has external mounting flanges
- Ambulance flashers have LED service indicators, short circuit plus thermal protection and are for internal use only
- Model AFM1660 has two-wire design
- Model AFM560 has one wire design with quick install, high current terminal block
- Model AFL530 is one wire design with quick install 7-position screw terminal block
- Two year warranty



Model	Usage	Lamp Load Type	Output Driver Technology	Outlets	Outlet Switching	Amps per Outlet	VDC	Flash Patterns	Encapsulated	Certification	Size
AFM1660	Ambulance lighthoods	Halogen, LED or Super-LED®	High side solid-state	16	KKK1822 Mode 1 and Mode 2	5	12	4	-	KKK-F	5/8" (15mm) H x 7-1/4" (184mm) W x 3-13/16" (97mm) D
AFM560				5		3 @ 25A 2 @ 10A					5/8" (15mm) H x 7-1/4" (184mm) W x 3-13/16" (97mm) D
AFL530		LED or Super-LED		3 @ 10A 2 @ 5A		5/8" (15mm) H x 6-1/2" (165mm) W x 2-3/4" (70mm) D					
SSFPOS	Headlight/grille light	Halogen, LED or Super-LED	Relay	2 Outlets	1x1	12.5	7	Yes	-	-	7/8" (22mm) H x 2" (50mm) W x 2-3/4" (70mm) D
UHF2150A											1-1/2" (38mm) H x 4-1/4" (108mm) W x 3" (76mm) D
ULF44	Lighthouse	LED or Super-LED	High side solid-state	4 Outlets 4 Channels	2x2	5	62 alt/simul	-	-	-	3/4" (26mm) H x 2-3/4" (70mm) W x 3-1/2" (89mm) D
UFM8		Halogen, LED or Super-LED	Low side solid-state	4 Outlets	2x2x2x2		16 plus Traffic Advisor™	-	-	3/4" (26mm) H x 2-3/4" (70mm) W x 3-1/2" (89mm) D	

Option Model	Option Description
LEDLOAD	In-line load resistor kit to interface with OEM turn signal circuit
PROGRAM1	Scan-Lock™ flash pattern programmer

Power Control Centers and Switches

- Adjustable bail bracket mounting
- Backlit function windows for choice of 72 standard press-on legend tabs
- PCC8R's basic eight position keypad with remote relay box is ideal for DOT, Tow and Wrecker vehicles
- 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



PCC4W



PCCS9LW



PCC6W
PCC6W1



WCC9
WCC92



PCC8R



PCC10W
PCC10W1

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
PCC4W	SPST, High current switching	4 Toggle	Four 25 amp outputs			2-1/4" (57mm) H x 4" (102mm) D x 3-1/4" (83mm) L
PCC6W		6 Toggle	Six 25 amp outputs, 60 amps total max			2-1/4" (57mm) H x 3-5/8" (92mm) D x 6-5/8" (168mm) L
PCC6W1		5 Toggle, 1 momentary	Ten 25 amp outputs, 90 amps total max			
PCC10W		10 Toggle				
PCC10W1		9 Toggle, 1 momentary				
PCC8R	Eight position keypad with remote relay box	8	Three 20 amp relays and, five 10 amp relays	Relay Box: 1-1/4" (32mm) H x 4-3/4" (121mm) D x 7-1/4" (184mm) L Control head same as WCC9		
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 and Legacy® WeCan Lightbars					

Model	Type	Usage	Switches	Switch Type	Illuminated
1SWITCH	"L" shaped aluminum switch bracket only	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



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 Amplifier



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 2 @ 20A 4 @ 10 A 4 @ .25 mA 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 Rectangular Control Heads: 3-1/2" (89mm) H x 1-5/16" (33mm) D x 6-7/8" (174mm) W Hand Held Control Head: 5-5/16" (135mm) H x 1-1/8" (29mm) D x 2-3/16" (56mm) W
CCSRN3A		Includes Traffic Advisor module					
CCSRNTA3							
CCSRNT3A							
CCSRN35	Hand held with 3 position progressive push-button switches and 9 push-buttons	-					
CCSRNT35		Includes Traffic Advisor module					
CCSRN36	3 sections with 8 push-buttons, 3 position slide switch with a 7 position rotary knob	-	Standard				
CCSRN3F							
CCSRNT36		Includes Traffic Advisor module					
CCSRNT3F	Manual airhorn plus 3 Traffic Advisor switches						

Option Model	Option Description
CCTRIM	Trim Ring for semi-flush mounting of control head



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 inputs 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

CANCTRL™ WC



CANCTRL1



CANCTRL6



CANCTRL5



Standard Microphone

Model	Control Head	Amplifier Control Module	Traffic Advisor	Inputs	Outputs	Amps per Output	VDC	Microphone	Size
CANWC1	Choice of 3 listed below	Full function	TA module for Traffic Advisors that utilize a 9C cable. No 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
CANCTRL1	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
CANCTRL5	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
CANCTRL6	Includes 13 push buttons, a 7 position rotary knob, and 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



CANEM16

Combination, Hand Held and Self-Contained

- **Broadcaster™** mobile digital voice recorder and playback unit is for use with any emergency vehicle's siren. The system will allow the radio repeat function to playback a 30 second pre-recorded message
- **WSS** is an economic 30 watt speaker with built-in amplifier
- 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. Meets Class A requirements of SAE, AMECA, KKK 1822 and California Title XIII specifications
- **GAMMA2™** has 2 auxiliary switches and meets SAE Class A with two 100 watt speakers. Meets California Title XIII requirements
- **Epsilon™** Series is an economical full featured self-contained electronic siren. Meets SAE Class A and California Title XIII



Model	Series	Siren Type	Total Current Draw (Amps)	Output Power (Watts)	VDC	Switches	Hands-Free	Siren Tones	Microphone	Mount	Size	
BRDCSTR	Broadcaster	Digital voice recorder	0.10/active 0.01/standby	-	12	2 Push-buttons for message play and siren select	-	-	Yes	Bail bracket	1-1/16" (27mm) H x 7" (178mm) D x 5-1/4" (133mm) W	
WSSC30	WSS Series	Combination remote siren/speaker with hand held microphone	2	30		Requires customer supplied switches	Yes, for Wail & 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								10 Plus Airhorn with override and includes PA				
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, 3 are progressive replacing slide switch for light control. 9 are 10 amp	Yes, via horn ring or foot switches	4 Standard preset, including Airhorn, 37 total to choose from	Yes	20' Inter-connect cable. Amp has flanges	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	
GAMMA2	Gamma Series	Economical siren with 2 auxiliary switches	8	100		2 On/Off 20 amp auxiliary rocker switches with LED "On" indicators	Yes	16 Scan-Lock™	-	-	-	2-1/4" (57mm) H x 5-1/2" (140mm) D x 5-3/8" (137mm) W
EPSL1	Epsilon Series	Economical self-contained full function with real time Diagnostix™	8 @ 100w 16 @ 200w	100		7 Position rotary switch	Yes, via horn ring	9 Scan-Lock programmable includes PA	Yes	Bail bracket	2-1/4" (57mm) H x 5-1/2" (139mm) D x 5-7/8" (149 mm) W	
EPSL2S6											7 Position rotary switch and 6 On/Off toggle	
EPSL2S9											7 Position rotary switch, 4 position slide switch and 6 On/Off toggle	

Option Model	Option Description
WSSC30HK	Harness kit for synchronization of two WSSC30 speakers

295 Series Electronic Sirens

- All sirens can drive one or two 100 watt siren 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
- Adjustable bail bracket allows mounting in a variety of positions
- Locking quick disconnect plug
- Siren functions are backlit for ease of visibility
- **NEW 295SSA1** - Newly designed, programmable remote amplifier and control head with lights and siren control



Model	Siren	Control	Mount	Switches	Current output	SI TEST	Siren Tones	Certification	Warranty	Size
295SDA1	Dual toned programmable remote amplifier and control head with lights and siren control	2 Separate siren amplifiers in one housing	Recess or bail bracket for under dash mounting	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™	J1849 KKK 1822F Meets California Title XIII	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		7 Position tone rotary knob with volume control knob			17 Scan-Lock			
295SLSA1	Self-contained	Selectable 100 or 200 watt	Flush mount	7 Position tone rotary knob	-	yes	4	5 year HDP® Heavy-Duty Professional	2-1/2" (64mm) H x 6" (152mm) D x 5-1/2" (140mm) W	
295HFS2	Control head with remote amplifier	Selectable 100 or 200 watt with dual amplifiers		7 Position tone rotary knob			4			
295HFS2X										Control Head: 2-7/8" (73mm) H x 2-3/4" (60mm) D x 6-1/4" (159mm) W Amplifier: 2-3/8" (60mm) H x 7" (178mm) D x 6" (152mm) W

Option Model	Option Description
295HFSDA	Second amplifier kit for dual siren amplifier use for 295HFS2

295 Series Electronic Sirens

- All sirens can drive one or two 100 watt siren 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
- Adjustable bail bracket allows mounting in a variety of positions
- Locking quick disconnect plug
- Siren functions are backlit for ease of visibility



Model	Siren	Control	Mount	Switches	Current output	SI TEST	Siren Tones	Certification	Warranty	Size
295SLSA6	Single self-contained unit with lights and siren control	9 Individually programmable switches, supports 100 or 200 watts	Recess or bail bracket for under dash mounting	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	Meets California Title XIII and SAE J1849	5 year HDP® Heavy-Duty Professional	3-5/16" (84mm) H x 7" (178mm) D x 6" (152mm) W
295HFSA7	Control head with 200 watt remote amplifier	Dual or mono output, supports two 100 watt speakers	Flush mount	3 Position rocker switch, 7 position tone rotary knob, volume control knob, manual and airhorn buttons	Low current	Yes	12 Includes radio repeat and PA			Control Head: 2-7/8" (73mm) H x 3" (76mm) D x 6-1/4" (159mm) W Amplifier: 2-1/4" (57mm) H x 8" (203mm) D x 9-1/8" (232mm) W
295HFSC9	Self-contained dual									
295SL100	Economical self-contained unit	Supports 100 or 200 watt speakers	Recess or bail bracket for under dash mounting	7 Position tone rotary knob with manual tone button		-	19 Scan-Lock Includes radio repeat and PA	Meets California Title XIII and SAE J1849	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

Economical Sirens and Airhorns

- Alpha™ Series Sirens let you cycle through two or three siren tones using horn or auxiliary control and is for applications not requiring radio repeat or PA
- Beta™ Series 100 watt siren with public address, radio repeat and Hands-Free operation at a budget price
- WPA Series are water resistant control head features 2 lighted rocker switches for lights/auxiliary, wail/yelp, and 2 non-lighted switches for override/airhorn, and volume Hi/Low
- PA Series airhorns are inexpensive supplements to vehicle's horn sound level with an airhorn tone



Model	Series	Siren Type	Output Power (Watts)	VDC	Switches	Hands-Free	Siren Tones	Microphone	Mount	Size					
ALPHA12S	Alpha Series	Self-contained	100	12	3 Position rocker switch and airhorn button	-	5	-	Bail bracket	2-1/2" (64mm) H x 4-5/8" (117mm) D x 6" (152mm) W					
ALPHASL		Remote	200		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		7 Position tone rotary knob, and airhorn button		Yes		5 Includes radio repeat and PA	Yes	Pre-drilled for under dash mount	2-3/8" (60mm) H x 5-1/2" (140mm) D x 7-1/8" (181mm) W			
BETA1		Control head only			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			
BETA2		Requires BETA112R remote amplifier (purchased separately)			Requires separate switches						4	Includes radio repeat and PA	Yes includes 20' cable	Bail bracket	3-7/8" (98mm) H x 2-7/8" (71mm) D x 7-1/4" (184mm) W
WPA112	WPA Series	Water resistant remote amplifier	100		4 Rocker switches, requires WPA112 siren amplifier		-		1	-	-	Flush mount	4-5/8" (118mm) H x 2-7/8" (71mm) D x 8-1/8" (206mm) W		
WPA3BM		Encapsulated water resistant control head			Can be wired remotely to the horn ring or to a customer supplied switch						1	Includes PA	Yes	-	2-1/2" (64mm) H x 6-3/4" (171mm) D x 5-7/8" (149mm) W
WPA3FM		2 aux switches, 5 buttons, power, standby, tone, manual, horn			Yes						23 Scan-Lock	-	Bail bracket	2-1/4" (57mm) H x 5-1/2" (140mm) D x 5-3/8" (137mm) W	
PAH112	PA Series	Power airhorn	100		Can be wired remotely to the horn ring or to a customer supplied switch		-		1	-	-	-	2-1/2" (64mm) H x 6-3/4" (171mm) D x 5-7/8" (149mm) W		
PAP112														Includes PA	Yes
GAMMA2	Gamma Series	Self-contained	100		2 aux switches, 5 buttons, power, standby, tone, manual, horn		Yes		23 Scan-Lock	-	-	Bail bracket	2-1/4" (57mm) H x 5-1/2" (140mm) D x 5-3/8" (137mm) 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	Beta Series	Remote microphone for BETA112R (requires customer supplied switches)
PAPEXT15	PA Series	15' Microphone extension cable for PAP112 only



Siren System and Speakers

- Howler™ system is an add-on to any 100/200 watt existing warning system adding lower frequency reverberating tones able to penetrate high noise, traffic situations and vehicles. Includes siren amplifier and one or two speakers. Works with most siren amplifiers
- SA315P & SA314 Series for bumper, concealed or flange mount, installs to vehicle's cross member in minutes
- UnderPro™ ambulance speakers are left or right side mounted



HOWLER



SA315P



SA314A



SA314B



SA31101P/D



SA123BM

Model	Series	Speaker Type	Output Power	VDC	Housing	Mount	Size
HOWLER	Howler	Low frequency reverberating add-on to existing warning system with 8 selectable tone durations	200 Watts	12	Speaker: Black nylon composite Amplifier: aluminum	Vehicle specific Consult current price list	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
SA315P	Projector™ Series	High performance multi-port	100 Watts		Black nylon composite		6-1/2" (165mm) H x 2-7/8" (74mm) D x 6-7/16" (164mm) W
SA314A					Natural cast aluminum		
SA314B					Black epoxy coated cast aluminum		
SA123BM					Polished aluminum	Includes mounting flange for flush mount	7-5/16" (186mm) H x 5-5/8" (144mm) D x 9-5/16" (237mm) W
SA31101P	UnderPro	Ambulance speaker passenger side	Nylon composite		International 4300.4400 chassis 2001-2015 mounts to existing holes under bumper	Vehicle specific	
SA31101D		Ambulance speaker driver side					

Option Model	Series	Option Description
SAK1	SA315P	Universal "L" bracket
SAK9		Universal/swivel bail type mount bracket
HWLRB2	HOWLER	Bracket for 2008-2004 Ford Expedition
HWLRB4		Bracket for 2008-2015 Ford E-Series
HWLRB11		Bracket for 2011-2015 Chevy Express G-Series
HWLRB13		Bracket for 2011-2015 Ford Explorer
HWLRB14		Bracket for 2011-2015 Dodge 4500
HWLRB18		Bracket for 2012-2013 Chevy 2500/3500 Silverado and Surburban
HWLRB19		Bracket for 2014-2015 Chevy Silverado 1500
HWLRB20		Bracket for 2015 Chevy Tahoe
HWLRB22		Bracket for 2011-2015 Ford F250/F350
HWLRB23		Universal mounting brackets, pair
SPT5D		Bracket for 2015 Ford Transit, mid and high roof, driver side, Black
SPT5P		Bracket for 2015 Ford Transit, mid and high roof, passenger side, Black



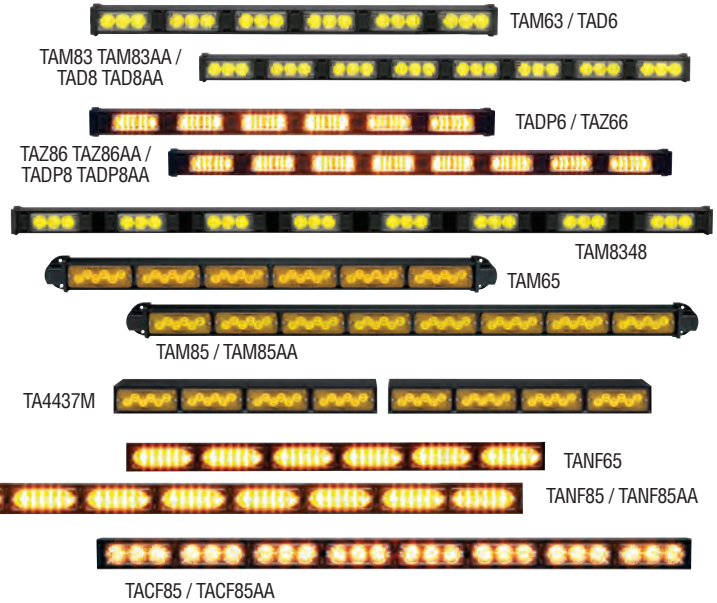
SAK1



SAK9

Super-LED® Straight Style

- 15' cable standard, extra length cables available
- Black extruded aluminum housing
- LEDs rated for thousands of hours of operation
- Includes control head (not TAD models)
- Four operating modes: left, right, split & flashing
- Rear dip switch provides 8 flash pattern choices
- Interior or exterior applications
- Available in Amber
- Five year HDP® Heavy-Duty Professional warranty



Model	Technology	No. of Modules	End Flasher	Mount	Control Head	VDC	Housing	Encapsulated	Size H x D	Length
TAM63	TIR3™	6	-	Surface mount/ slide bolt	TACTLD1 included	12	Extreme low profile one piece	yes	1-3/4" (44mm) H x 2-3/16" (55mm) D	23" (58cm)
TAM83		8	Yes							30-7/8" (78cm)
TAM83**			48" (122cm)							
TAM8348		23" (58cm)								
TAD6	TIR3 Dominator™ Series	6	-		Requires optional TADCTL1 or customer supplied switches					30-7/8" (78cm)
TAD8		8	Yes							23" (58cm)
TAD8**			30-7/8" (78cm)							
TADP6	LINZ6™ Dominator Plus™ Series	6	-		TACTLD1 included					23" (58cm)
TADP8		8	Yes	30-7/8" (78cm)						
TADP8**			23" (58cm)							
TAZ66	LINZ6	6	-	TACTLD1 included	30-7/8" (78cm)					
TAZ86		8	Yes		23" (58cm)					
TAZ86**			30-7/8" (78cm)							
TAM65	500 Series TIR6™	6	-	Surface mount / thru-bolt endcaps	TACTLD1 included	Low profile flat style one piece	2-7/8" (73mm) H x 2-1/4" (57mm) D	36" (91cm)		
TAM85		8	Yes					46-7/8" (119cm)		
TAM85**			22-3/4" (58cm) each piece							
TA4437M	500 Series Linear-LED®	6	-	Surface mount/ slide bolt	TACTLD1 included	Rectangular split 2 piece	2-1/2" (64mm) H x 4-7/16" (113mm) D	34" (86cm)		
TANF65			8					Yes	45-1/8" (115cm)	
TANF85								-	45-1/8" (115cm)	
TANF85**								Yes		
TACF85	CON3™ front load	8	-	Surface mount/ slide bolt	TACTLD1 included	Front load rectangular one piece	2-3/8" (60mm) H x 2-3/8" (60mm) D	45-1/8" (115cm)		
TACF85**			Yes							

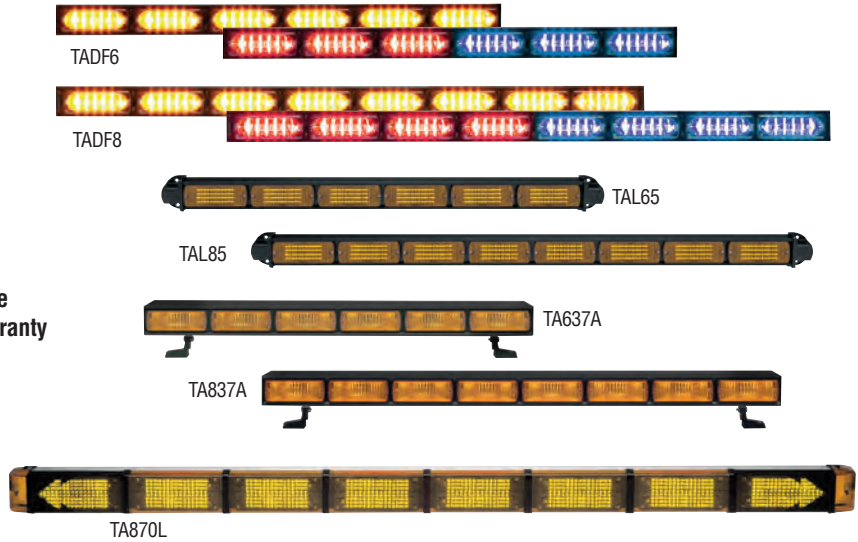
Option Model	Option Description
TACTLD1	Control head only for 6 & 8 lamp LED Traffic Advisor, includes remote flash control and end lamp enable/disable feature
DELTALD1	Delete TACTLD1 from 6-8 lamp LED Traffic Advisor
TAWPKT2	Waterproof butt splice upgrade kit for 8 lamp Traffic Advisor, factory installed
DBKT6	Interior hatch mount bracket for 2008-12 Chevy Tahoe for TAD8, TADP8, TAM83 and TAZ86 only

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



DUO™ Super-LED®, LED and Halogen Straight Style

- 15' cable standard, extra length cables available
- Black extruded aluminum housing
- Includes control head
- Four operating modes: left, right, split & flashing
- Rear dip switch provides 8 flash pattern choices
- Interior or exterior applications
- DUO models available in Amber, Red, Blue and White
- LED has five year HDP® Heavy-Duty Professional warranty
- Halogen has two year warranty (excludes bulbs)



Model	Technology	No. of Modules	Mount	Control Head	VDC	Housing	Encapsulated	Size H x D	Length
TADF6	500 Series DUO Super-LED	6	Surface mount/ slide bolt	No control head required	12	Rectangular front load	-	2-3/8" (60mm) H x 2-3/8" (60mm) D	37" (94cm)
TADF8		8							45-1/8" (114cm)
TAL65	500 Series 5mm LED	6	Surface thru-bolt or integral fasteners on back	TACTLD1		Low profile flat style one piece	Yes	2-7/8" (73mm) H x 2-1/4" (57mm) D	36" (91cm)
TAL85		8					Yes		46-7/8" (119cm)
TA637A	500 Series halogen	6	Swivel foot	TACTRL1A		Rectangular one piece	-	2-1/2" (64mm) H x 4-7/16" (113mm) D	33" (84cm)
TA837A									44" (112cm)
TA870L	700 Series 5mm LED	8	Slide bolt	TACTLD1		Large rectangular one piece	Yes	3-3/4" (95mm) H x 3-1/2" (89mm) D	6' (183cm) 7' (213cm) or 8' (244cm) available

Option Model	Control Head Option Description
TACTLD1	Control head for 6 & 8 lamp LED Traffic Advisor™ includes remote flash control and end lamp enable /disable feature
TACTRL1A	Control head for 6 & 8 Halogen Traffic Advisor, includes remote flash control and end lamp enable/disable feature
DELTAD1	Delete TACTALD1 from 6-8 lamp LED Traffic Advisor
DELTAC1A	Delete TACTRL1A from 6-8 lamp Halogen Traffic Advisor

Option Model	Optional Cable Description
STAPVC30	30' PVC cable for TA637A & TA837A
STAPVC35	35' PVC cable for TA637A & TA837A
STAPVC40	40' PVC cable for TA637A & TA837A
STAPVC50	50' PVC cable for TA637A & TA837A

Option Model	Optional Cable Description
TAPVC15	15' cable for TA637A & TA837A
TAPVC25	25' cable for TA637A & TA837A
TAPVC35	35' cable for TA637A & TA837A
TAPVC50	50' cable for TA637A & TA837A
TATPR20	20' cable for TA870A & TA870L

A..... KKK 1822-F - Federal Ambulance Specification

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)

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

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



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J	Justice® Series Lightbars	7		Strip-Lite™ Series Lighthoods	47
L	L31 & L32 Series Beacons	17	T	TIR3™ Lighthoods	45
	Legacy™ Series Lightbars	6		Traffic Advisors™	67-68
	Liberty™ II Series Lightbars	5		Turn Signals	52
	LIN3™ Series Lighthoods	45	V	Vertex™ Series Lighthoods	47
	LIN2™ V-Series™ Lighthoods	46		V23 Series Lighthoods	37
	LINZ6™ Series Lighthoods	45			

Notice:

Dimensions indicated for products are within +/- 1/16" (1.58mm) tolerance. Metric equivalents are rounded to nearest whole number. For special applications requiring more precise measurement, contact factory.

Prior to using any interior light, consult your vehicle's owner manual to insure proper use with air bag safety systems.

The use of a magnetic or suction mounted beacon on the roof of a vehicle in motion is not recommended, and is at the sole discretion and risk of the user.

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