

All lenses and domes All lenses and domes are Hard-Coated to resist are Hard-Coated to resist and UV degradation! and UV degradation!

# WHELEN

In.

## CELEBRATING

WHELEN

YEARS

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# Lightbars



## **Delta Rota-Beam<sup>™</sup>** Rotating Super-LED<sup>®</sup> Lightbar



- Sleek, multi-level warning lightbar featuring new Super-LED "rotating" light modules.
- Two to six Rota-Beam Super-LED, 100% Solid-State "rotating" beacons plus optional angled mirrors.
- No moving parts. No motors to wear out or malfunction.
- Multi-level for 360° of unobstructed warning.
- Cruise light mode standard on outboard Rota-Beam (adjustable).
- Clear polycarbonate outer domes, standard, are hard-coated for scratch and fade resistance.
- Low current draw, moisture and vibration resistant.
- 20' cable standard.
- Available in Red, Blue, Amber and White. Split (front/rear) colors available.
- Add up to eight lower level 500 Series Linear-LED lightheads.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.

Model No.	Tech- nology	Lighting	Mount	Amps	VDC	FPM	Base	Lenses	Certifi- cation	Size H x D	Length
DS8****											50" (127cm)
DS2****		single or		0.054		32 Scan- Lock™		Clear outer domes			56" (142cm)
DS2****	rotating Super-LED	split color Rota-	MKEZ7	2.25/peak 1.2/avg per	12	patterns , some with	aluminum	standard	SAE Class 1	5-1/2" (140mm) H x 16-3/4" (425mm) D	50 (142cm)
DS0****	modules	Beam beacons		rotator		varying flash rates for Rota-		optional upper color			61-13/16" (157cm)
DS7****						Beams		domes			72-11/16" (185cm)

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

#### **Options**

**Dome:** Color upper end domes • Color center single or dual domes.

Upper Level: Single or dual color beacon • Angled mirror.

Lower Level: Single or dual LR11 take-down lights • Single or dual LR11 alley lights • 500 Series Super-LED lightheads To help you build your lightbar, Whelen's WeCad™ build-a-bar program is available on our website at: www.whelen.com

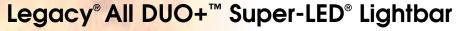


# Lightbars



**LEGACY** 

Com showing Legacy's ultra low profile compared to Liberty low profile lightbar.



- New Diamond Optix<sup>™</sup> (Patent Pending) linear reflector optic design.
- Linear combo "Multi-Angled" corner modules produce light forward and rear and at the critical 45° angles. Four combo modules produce 360° warning signal.
- DUO technology has two different color LEDs in the same module, allowing it to flash to different colors.
- True DUO+, whether one color or two. Each segment can be operated independently or at the same time, creating the first true DUO lightbar, without loss of intensity.
- Photocell automatically dims at night and still meets SAE Class I requirements in low power mode.
- One piece UNI-DOME construction with a single sealing point.
- Hard-coated lenses shrug off environmental damage.
- Legacy "plug and play" into the CenCom Sapphire™ or CanTrol™ controller. A WeCan<sup>®</sup> controller module is supplied for use with other switch centers.
- 15' passenger side cable, optional 25' driver side exit.
- Extreme low profile mounting.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.

Model No.	Tech- nology	Lighting	Mount	Amps	VDC	FPM	Base	Lenses	Certifi- cation	Size H x D	Length
GB4****		single color									44-1/4"
GB4###		two color									(110cm)
GB8****	DUO color	single color	low profile	3/peak 1.2/average per		multiple Scan-	heavy-duty extruded	Clear outer	SAE	1-5/8" (41mm) H	48"
GB8####	linear Super-LED	two color	MKLP	multi-angled corner lamp	12	Lock™ flash patterns	aluminum I-Beam	lenses standard	Class 1	x 11-5/16" (287mm) D	(123mm)
GB2****		single color									53-3/4"
GB2####		two color									(136cm)

Replace \* in model number with color desired: A=Amber; R=Red; B=Blue; C=White; Replace # in model number with DUO+ color desired: D=Red/White; E=Blue/White; F=Amber/White; J=Red/Blue; K=Red/Amber; M=Blue/Amber

- One or two color DUO+ long lighthead One or two color DUO+ short lighthead Two long or short take-down lights Two Super-LED alley lights One DUO+ warning/warning or warning/alley light in single or dual color
- To help vou build vour lightbar. Whelen's WeCad™ build-a-bar program is available on our website at: www.whelen.com





### Legacy<sup>®</sup> Solo<sup>™</sup> Super-LED<sup>®</sup> Lightbar

- Competitively priced single color lightbar with all the features you want with new reflector assembly.
- New Diamond Optix<sup>™</sup> (Patent Pending) linear reflector optic design.
- Linear combo "Multi-Angled" corner modules produce light forward and rear and at the critical 45° angles. Four combo modules produce 360° warning signal.
- One piece UNI-DOME construction with a single sealing point.
- Hard-coated lenses shrug off environmental damage.
- Legacy "plug and play" into the CenCom Sapphire™ or CanTrol™ controller. A WeCan<sup>®</sup> controller module is supplied for use with other switch centers.
- 15' passenger side cable, optional 25' driver side exit.
- Extreme low profile mounting.
- Optional photocell automatically dims at night and still meets SAE Class I requirements in low power mode.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.

Model	No.	Tech- nology	Lighting	Mount	Amps	VDC	FPM	Base	Lenses	Certifi- cation	Size H x D	Length
GS4**	* *						multiple		Clear			44-1/4" (110cm)
GS8**	**	linear Super-LED	single color	low profile MKLP	.93 per multi-angled corner	12	multiple Scan- Lock™ flash	heavy-duty extruded aluminum	outer standard, optional color	SAE Class 1	1-5/8" (41mm) H x 11-5/16" (287mm) D	48" (123mm)
GS2**	**				lamp		patterns	I-Beam	available		(20711111) D	53-3/4" (136cm)

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

- One single color long lighthead
   One single color short lighthead
   Two TIR6<sup>™</sup> take-down lights
   Two TIR3<sup>™</sup> take-down lights with 15° adjustment
   Two TIR3<sup>™</sup> take-down lights with 15° adjustment
   DUO color short lighthead for rear Traffic Advisor<sup>™</sup>
   DUO color short lighthead for rear Traffic Advisor
   Photocell for Hi/Low power.
- To help you build your lightbar, Whelen's WeCad<sup>™</sup> build-a-bar program is available on our website at: www.whelen.com



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## Freedom<sup>™</sup> Rota-Beam<sup>™</sup> Rotating Super-LED<sup>®</sup> Lightbar

- Freedom style lightbar featuring new Super-LED "rotating" light modules.
- Start with four half rotating modules, and add up to six more, according to size of lightbar.
- No moving parts. No motors to wear out or malfunction.
- Cruise light mode standard on outboard Rota-Beam (adjustable).
- Clear polycarbonate outer lenses, standard, are hard-coated for scratch and fade resistance.
- Low current draw, moisture and vibration resistant.
- 20' passenger side cable.
- Available in Red, Blue, Amber and White. Split (front/rear) colors available.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.

Model No.	Tech- nology	Lighting	Mount	Amps	VDC	FPM	Base	Lenses	Certifi- cation	Size H x D	Length
FR4****		single color									44-3/8" (113cm)
FR8****		two color	MKEZ7			10 Seen Leekim		Clear			49-3/4" (126cm)
FR2****	half rotating Super-LED modules	single color	adjustable mount MKAJ	2.2/peak 1.1/avg per rotator	12	Scan-Lock™ patterns , some with varying flash	heavy-duty extruded aluminum	outer standard, optional color	SAE Class 1	3-3/4" (95mm) H x 10" (254mm) D	55-1/8" (140cm)
FR0****	mouules	two color	available	TOLALOI		rates for Rota-Beams	I-Beam	available		(23411111) D	60" (152cm)
FR7****		single color									72" (183cm)

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

- One Super-LED Rota-Beam module
   Two single or dual LR11 Super-LED alley lights with 15° horizontal adjustment
   single or dual LR11 Super-LED take-down lights with 15° horizontal adjustment
   One Super-LED lighthead
   Flasher for front
   or rear FLDs (up to two per bar, each flasher controls up to four lights, for a total of eight).
- To help you build your lightbar, Whelen's WeCad<sup>™</sup> build-a-bar program is available on our website at: www.whelen.com







NHELEN

## Freedom<sup>™</sup> Super-LED<sup>®</sup> Lightbars

- Add Linear-LED<sup>®</sup> modules in pairs to a total of 16 modules.
- Build lightbar in any color combination with take-downs and LED modules in any position.
- Four corner modules provide full 360° protection.
- Add up to twelve wide-angle linear directional modules.
- Corner modules available in 2 lengths.

Lightbars

- Many options available; consult price list and/or WeCad<sup>™</sup> software.
- Optional slide bolt or 5" riser mount available.
- 15' passenger side cable, optional 25' driver side exit.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.

Model No.	Tech- nology	Lighting	Mount	Amps	VDC	FPM	Base	Lenses	Certifi- cation	Size H x D	Length
FL4****				4 / peak							44-3/8" (113cm)
FL8****		standard corner		1.6 / average							49-3/4" (126cm
FL2****		modules	MKEZ7 permanent	1.66 per corner		75 SignalAlert™ per head	heavy-	Clear outer	SAE Class 1	3-3/4"	55-1/8" (140cm)
FX4****	linear Super-LED		Adjustable mount MKAJ	4.92 / peak	12	(default pattern) 12 Scan-	duty extruded aluminum I-Beam	standard, optional color available	and California Title	(95mm) H x 10" (254mm) D	44-3/8" (113cm)
FX8****		extended corner modules	MKAJ available	1.97 / average 2.5 per		Lock™ patterns	1 Douin	n available	XIII		49-3/4" (126cm)
FX2****				corner							55-1/8" (140mm)

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

- Two single or duplex inboard modules
   Two single or dual LR11 flashing take-downs or alleys with 15° Horizontal adjustment
   Two halogen flashing take-down or alley lights
   Two halogen work lights
   Four cruise lights
   Five or six single lamp or Duplex lamp Traffic Advisor™ with or without control head
   Custom lengths up to 98" (249cm)
   Driver side exit cable
   Pioneer™ lightbar mount
   Photocell for Hi/Low power
   Solar Panel to reduce parasitic draw
- To help you build your lightbar, Whelen's WeCad<sup>™</sup> build-a-bar program is available on our website at: www.whelen.com







NHELEN

## Liberty<sup>™</sup> Super-LED<sup>®</sup> Lightbars

- Low current for use with low current switch controls or micro switches.
- Add Linear-LED<sup>®</sup> modules in pairs to a total of 16 modules.
- Four corner modules provide full 360° protection.

Lightbars

- Front, rear and all bar operation control, optional Scan-Lock™ flash patterns, low power and pattern override feature.
- Service oriented. Change colors, upgrade or service lightbar in the field.
- 15' passenger side cable, optional 25' driver side exit.
- Many options available; consult price list and/or WeCad<sup>™</sup> software.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.

Model No.	Tech- nology	Mount	Inboard Lighting	Control	VDC	FPM	Base	Lenses	Certifi- cation	Size H x D	Length
SX4****	4	permanent	Linear-LED	front/ rear		75		Clear			43-1/8" (110cm)
SX8****	extended Liner-LED	MKEZ7 Adjustable	modules in pairs (up to 12	& all bar control	12	SignalAlert <sup>™</sup> default: 12	extruded aluminum top and	standard color	SAE Class 1	2-1/2" (64mm) H x 12"	48-1/2" (123cm)
SX2****	corner modules	MKAJ available	optional modules)	lights 2x2 con- trolled		Scan-Lock patterns	base	lenses available		(304mm) D	54" (137cm)

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

- Two single color inboard directional lighthead
   Two super high intensity work or take-down lights
   Two single or dual LR11 flashing take-down or alley lights with 15° horizontal adjustment
   Five or six standard or split Linear-LED Traffic Advisor<sup>™</sup> with or without control head
   Five or six DUO Linear-LED Traffic Advisor
   Guick disconnect plug
   Photocell for Hi/Low power
   Solar panel
- To help you build your lightbar, Whelen's WeCad build-a-bar program is available on our website at: www.whelen.com





## Justice<sup>®</sup> Super-LED<sup>®</sup> Lightbars

- CON3<sup>™</sup> directional modules have removable optic spreading filter.
- Center section available with single LIN6<sup>™</sup>, CON3<sup>™</sup> or two LTR3s<sup>™</sup> (for split color center section).
- Front, rear and all bar operation control, optional Scan-Lock™ flash patterns, low power and pattern override feature.
- Service oriented. Change colors, upgrade or service lightbar in the field.
- 15' passenger side exit cable.
- Available with WeCan<sup>®</sup> programmable control.
- Many options available; consult price list and/or WeCad™ software.
- Up to 62" (157mm) length.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty...

	lodel No.	Tech- nology	Mount	Inboard Lighting	Control	Amps	VDC	Patterns	Base	Lenses	Certifi- cation	Size H x D	Length
JC	4****	4 autopdad				1.5							44" (112cm)
JC	8****	extended Linear-LED®	permanent MKEZ7	optional		per corner			Black polycarbon-	Clear outer			50-1/8" (132cm)
JC	2****	LIN9™ corners	Adjustable	ĊON3	front/rear & all bar	lamp	12	52 flash	ate	standard	SAE	2-1/4" (57mm) H	56-1/4" (152cm)
JE	4****	4 standard	ŃКАЈ	or LIN6	control	1	12	patterns	on extruded	color lenses	Class 1	`x 12" (304mm) D	44" (112cm)
JE	8****	Linear-LED	available	modules		per corner			aluminum platform	available		(00) 2	50-1/8" (132cm)
JE	2****	LIN6 corners				lamp							56-1/4" (152cm)

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

- One CON3 or LIN6 lamp One LTR3 for center section Two LR11 steady-burn take-downs or alleys lights with 15° horizontal adjustment Two LR11 center mounted steady-burn take-down lights with 15° horizontal adjustment for two center sections One dual LR11 take-down light for single center section with 15° horizontal adjustment Four steady-burn LR11s (2 take-downs and 2 alley) with 15° horizontal adjustment Four steady-burn LR11s (2 take-downs and 2 alley) with 15° horizontal adjustment Four steady-burn LR11s (2 take-downs and 2 alley) with 15° horizontal adjustment Four steady-burn LR11s (2 take-downs and 2 alley) with 15° horizontal adjustment Four steady-burn LR11s (2 take-downs and 2 alley) with 15° horizontal adjustment Four steady-burn LR11s (2 take-downs and 2 alley) with 15° horizontal adjustment Four steady-burn LR11s (2 take-downs and 2 alley) with 15° horizontal adjustment Four steady-burn LR11s (2 take-downs and 2 alley) with 15° horizontal adjustment Four steady-burn LR11s (2 take-downs and 2 alley) with 15° horizontal adjustment Four steady-burn LR11s (2 take-downs and 2 alley) with 15° horizontal adjustment Four steady-burn LR11s (2 take-downs and 2 alley) with 15° horizontal adjustment Four steady-burn LR11s (2 take-downs and 2 alley) with 15° horizontal adjustment Four steady-burn LR11s (2 take-downs and 2 alley) with 15° horizontal adjustment Four steady-burn LR11s (2 take-downs and 2 alley) with 15° horizontal adjustment Four steady-burn LR11s (2 take-downs and 5 alley) lights Traffic Advisor™ Driver side exit cable
  - To help you build your lightbar, Whelen's WeCad™ build-a-bar program is available on our website at: www.whelen.com





# Lightbars



WHELEN

## **NFPA Super-LED®** Lightbars

- Designed especially for the rigourous standards of the Fire/EMS market.
- These Super-LED lightbars meet upper zone "A" upper requirements of NFPA 1901 specifications.
- Choose from three styles of full size lightbars or two mini lightbars.
- Optional lengths on full size lightbars, contact factory. •
- 24" Freedom<sup>™</sup> mini lightbar is sold in left and right pairs. •
- For complete details and models, request the current NFPA 1901 Specifications Handbook. •
- Five year HDP® Heavy-Duty Professional warranty.

Model No.	Lightbar Style	Corner Modules	Inboard Lighting	Mount	Control	VDC	FPM	Base	Lenses	Certifi- cation	Size H x D	Length
FN55VLED		4	4 front	MKEZ7								55" (140cm)
FN60VLED	Freedom	Red Linear-	Linear-LEDs 2 Red/2	permanent standard				heavy-			3-3/4"	60" (152cm)
FN72VLED		LED®	White					duty extruded			(95mm) H x 10"	72" (183cm)
FNMINI	Pair of Mini Freedoms	2 front Red Linear-LEDs	1 White front Linear-LED, 1 Red end Linear-LED	adjustable mount MKAJ available	2x2 switching front/rear		12 flash patterns	aluminum I-Beam			(254mm) D	24" (61cm)
SLN2VLED	Liberty™	4 Red Linear-LEDs	4 front Linear-LEDs 2 Red/2 White	permanent MKEZ7 standard adjustable MKAJ available	& all bar control	12		extruded aluminum top and base	Clear color lenses optional	Class 1 SAE J845	2-1/2" (64mm) H x 12" (304mm) D	54" (137cm)
JE8NFPA			6 front									50" (127cm)
JE2NFPA	Justice®	4 Red Linear-LEDs	CON3™ modules 4 Red/2	permanent MKEZ7			10	Black polycar-			2-1/4" (57mm)	56" (142cm)
JEONFPA			White	standard adjustable	front/rear		16 flash patterns	bonate on extruded			H x 12" (304mm)	62" (157cm)
JNMINI	Pair of Mini Justice	2 front Red Linear-LEDs 1 rear	1 Red CON3 1 White CON3	MKAJ available				aluminum platform			D	22" (56cm)

- 1-1/2" permanent mount 5" cast aluminum permanent mount Slide bolt brackets for flat surface mounting
- To help you build your lightbar, Whelen's WeCad build-a-bar program is available on our website at: www.whelen.com







## 4500 Build-A-Bar Series

- Lengths available from 20" to 98".
- Rugged anodized aluminum extrusion.
- Available with or without SAE compliant front and rear LED ICC clearance lights.
- Customize your lightbar with a variety of lighting technologies. .
- Pre-configured KKK compliant packages available.
- . Color or Clear outer lenses.
- Five year HDP® Heavy-Duty Professional warranty.

Model No	o. ICC Light	Certifications	Size H x D	Available Lengths
45B±±	-	SAE Class 1	4-7/8" (124mm) H x 5-1/4"	20" (51cm), 22" (56cm), 38" (96cm), 44"(112cm), 52" (132cm), 60" (152cm), 72" (183cm), 76" (193cm), 78" (198cm), 82"(198cm), 208cm), 84" (213cm), 86" (218cm), 88" (224cm), 90" (228cm), 92" (233cm),
45B±±*	Amber front, Red rear	KKK 1822F	(133mm) D	94" (239cm),96" (244cm), 98" (249cm)

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



400 Series Linear-LED





Halogen Rotator





Center LED ICC Lights

# Building your 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.

- 1. Choose front or rear facing bar, and length.
- 2. Add ICC light if desired.
- 3. Choose light modules.
- 4. Select light module color.





# **Chassis Lightbars**





Pillar mount



## **Outer Edge® Lightbar Series**

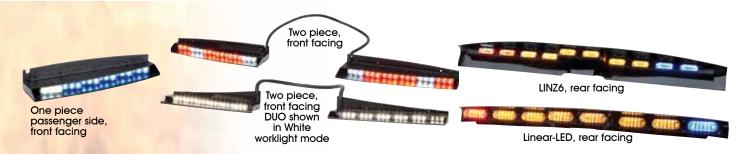
- Two independent left and right side housings with multiple lightheads per section that are custom designed to mount on the outside of the vehicle.
- Vehicle specific mounting.
- Pillar version mounts on sides of rear window of vehicle with six LINZ6<sup>™</sup> lightheads and two Vertex<sup>™</sup> lightheads for warning only.
- Horizontal version mounts on upper rear window of the vehicle for warning or Traffic Advisor™ modes.
- Traffic Advisor sequence allows for 4 patterns. Requires customer supplied switches or optional Whelen TADCTL1 Traffic Advisor control head.
- Available in Amber, Blue, White and Red with Clear non-fluted lenses.
- Fully encapsulated for superb moisture and vibration resistance.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.

Model No.	Housing	Technology	Lightheads	Vehicle	VDC	FPM	Switching	Certification
OE13UR8		program for warning or Traffic Advisor	LINZ6 lamps				Traffic Advisor	
OE13UR8T	horizontal mount	Traffic Advisor	8 LINZ6 lamps (6 lamp Traffic Advisor with 2 end warning flashers)	2008-2012 Chevy Tahoe/Suburban	12	warning has multiple Scan-Lock™ flash patterns	requires customer supplied switching	SAE Class 1
RP13**	rear pillar mount	warning	1 Vertex, 3 LINZ6 lamps	Chevy Tahoe 2010-2012			-	

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



# **Internal Lightbars**



## Inner Edge<sup>®</sup> Lightbar Series

- Upper front facing and lower rear deck interior lightbar series.
- Easy to install and designed to blend with vehicle's existing interior.
- Requires customer supplied switches or control head, purchased separately.
- Order by choosing the housing model to your specific vehicle model, then choose LED lighthead modules and colors.
- Powder coated aluminum housing.
- SAE Class 1 Certified and meets California Title XIII specifications.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.

#### Front Facing Lightbars:

- Extreme low profile, measuring only 3/4" (19mm) high.
- Mounts snugly against windshield using existing visor anchor points without drilling holes.
- Available in 3-LED, 6-LED and 6-LED DUO<sup>™</sup> modules. DUO modules have 2 colors in same module, White is second color.
- Forty Scan-Lock<sup>™</sup> flash patterns.
- Available as single passenger side or a connected two piece driver/passenger unit.

#### **Rear Deck Lightbars:**

- Available in Linear-LED<sup>®</sup> or LINZ6<sup>™</sup> modules for warning or Traffic Advisor<sup>™</sup> applications.
- One piece low profile textured housing.
- Installs using existing child-restraint brackets, without drilling holes.

		Chevrole	t		Dodae				Ford		
MODELS - DESCRIPTIONS - LAMP TYPE	Caprice 2011-2013	Impala 2005-2012	Suburban, Tahoe & Silverado 1500/2500 2008-2013	Charger 2011-2013	Dodge Ram 2011-2013	Dodge Durango 2013-2014	Explorer 2011-2014 Utility Interceptor 2013-2014	F150 2012-2013	F250/F350 2012-2013	Taurus 2011-2014 Police Interceptor 2013-2014	Fusion 2013
XLP (EXTRA LOW PROFILE) UPPER FRONT SERIES	- 3-LED										
Five lamp, upper front passenger side unit only, with one LED flashing/work light	IX37UF5P	-	IX13UF5P	IX35UF5P	IX42UF5P	IX44UF5P	IX34UF5P	IX41UF4P	IX39UF5P	IX38UF5P	IX43UF5P
Six lamps, upper front passenger side unit only (no work light)	IX37UF6P	-	IX13UF6P	IX35UF6P	IX42UF6P	IX44UF6P	IX34UF6P	IX41UF5P	IX39UF6P	IX38UF6P	IX43UF6P
Ten lamps, upper front two piece unit, individual driver and passenger side units, with two LED flashing/work lights	IX37UFZ	-	IX13UFZ	IX35UFZ	IX42UFZ	IX44UFZ	IX34UFZ	IX41UFZ	IX39UFZ	IX38UFZ	IX43UFZ
Twelve lamps, upper front two piece unit, individual driver and passenger side units (no work lights)	IX37UFX	-	IX13UFX	IX35UFX	IX42UFX	IX44UFX	IX34UFX	IX41UFX	IX39UFX	IX38UFX	IX43UFX
XLP DUO UPPER FRONT SERIES - DUO 6-LED											
Six 6-LED DUO lamps, upper front passenger side unit only	IW37UF6P	-	IW13UF6P	IW35UF6P	IW42UF6P	IW44UF6P	IW34UF6P	IW41UF6P	IW39UF6P	IW38UF6P	IW43UF6P
Twelve 6-LED DUO lamps, upper front two piece unit, individual driver and passenger side units	IW37UFX	-	IW13UFX	IW35UFX	IW42UFX	IW44UFX	IW34UFX	IW41UFX	IW39UFX	IW38UFX	IW43UFX
REAR FACING LOWER - LINEAR-LED											
Six lamp programmable for warning or Traffic Advisor	-	I06LR6L	-	I35LR6L	-		-	-	-	-	-
Eight lamp programmable for warning or Traffic Advisor	-	I06LR8L	-	I35LR8L	-		-	-	-	-	-
Six lamp Traffic Advisor with two end flashers (8 lamps total)	-	106LR8LT	-	I35LR8LT	-		-	-	-	-	-
REAR FACING LOWER - LINZ6											
Eight lamp programmable for warning or Traffic Advisor	IZ37LR8	-	-	IZ35LR8	-		-	-	-	IZ38LR8	-
Six lamp Traffic Advisor with two end flashers (8 lamps total)	IZ37LR86	-	-	IZ35LR86	-		-	-	-	IZ38LR86	-
Ten lamp programmable for warning or eight lamp Traffic Advisor	IZ37LRZ	-	-	IZ35LRZ	-		-	-	-	IZ38LRZ	-
Six lamp Traffic Advisor with four end flashers (10 lamps total)	IZ37LRZ6	-	-	IZ35LRZ6	-		-	-	-	IZ38LRZ6	-
Eight lamp Traffic Advisor with two end flashers (10 lamps total)	IZ37LRZ8	-	-	IZ35LRZ8	-		-	-	-	IZ38LRZ8	-

Front facing lightbars

NHELE

Rear deck mount

## **Responder<sup>®</sup> Series** Mini Lightbars

#### Responder HD Halogen Mini Lightbars

- Two rotating halogen lamps with 135 RPM motor assembly.
- Permanent or magnetic mount.
- Optional magnet mount kit, and color filter kit.
- Three year warranty on motor assembly.

#### Responder HD Super-LED<sup>®</sup> Mini Lightbars

- Heavy-duty Class 1, J845 Certified.
- Super-LED dual level modules with built-in electronic flasher.
- SignalAlert<sup>™</sup> flash pattern standard in magnetic and magnetic/suction mount models.
- Five year HDP® Heavy-Duty Professional warranty.

#### Responder LP Low Profile Mini Lightbar

- Low-profile, mini lightbar with choice of LIN6™ or CON3™ Super-LED modules.
- Choose heavy-duty extruded aluminum base or polycarbonate base.
- DUO<sup>™</sup> technology LIN6 model available with Blue and Amber LEDs in the same module allowing it to flash different colors.
- Provides 360° of high impact warning coverage.
- Permanent mount models include 6" pigtail. Magnetic and magnetic/suction versions include 10' straight cord with cigar plug and LED indicator On/Off switch and pattern control switch.
- Five year HDP Heavy-Duty Professional warranty.



RDI PPAB

HELEN

Model	Style	Technology	Mount	Base	No. Lamps	Amp	VDC	FPM	Certifi- cations	Size
R2HDP*		rotating	permanent		2 - 50 watt	9	12	540		5-1/8" H x 6-5/16"
R2HDM*	Responder	halogen	magnetic		snap-in	9	optional 24	540		W x 17-1/4" L
R10HDP*	HD	duplex	permanent	aluminum		9/peak			J845 Class 1	
R10HDM*	Series	linear	magnetic		6 - 400 Series Linear-LED	3.6	12			5-1/8" H x 6-5/16" W x 17-1/4" L
R10HDV*		Super-LED	magnetic/suction			avg.				
R1LPP*			permanent							
R1LPM*			magnetic	polycarbonate						2-7/8" H x 6-5/16" W x 17" L
R1LPV*			magnetic/suction		6 - CON3	3/peak 1.2				
R1LPHP*			permanent		0-00113	avg.				
R1LPHM*			magnetic	aluminum				54 patterns		3-1/4" H x 6-5/16" W x 17" L
R1LPHV*		Super-LED	magnetic/suction							
R2LPP*	Responder LP	Super-LED	permanent				12		SAE	
R2LPM*	Series		magnetic	polycarbonate					Class 1	2-7/8" H x 6-5/16" W x 17" L
R2LPV*			magnetic/suction		6 - LIN6	6/peak				
R2LPHP*			permanent		0 - LINO	2.4				
R2LPHM*			magnetic	aluminum		avg.				3-1/4" H x 6-5/16" W x 17" L
R2LPHV*			magnetic/suction							
RDLPPAB		DUO Super-LED	permanent	polycarbonate	6 - DUO LIN6 Amber/Blue			36 patterns		2-7/8" H x 6-5/16" W x 17" 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.

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.

#### Options

90 lb. pull magnet mount kit with cord and plug for HD Series • Color filter for rotators for Halogen HD Series



- Universal permanent mount version easily retrofits most competitive model footprints, as well as Whelen R2DX models.
- Permanent bolt mount versions include 6" pigtail.
- Magnetic mount versions include four 50 lb. pull magnets, 10' straight cord with in-line fuse and cigar plug with On/Off switch.
- Magnetic/suction versions include two 110 lb. pull magnets over-coated with non-marring rubber with suction control.
- Multi-color configurations available with Clear and color domes and filter kits.
- Warranty: Strobe = 2 year on power supply, 6 months on strobe flash tube / Rotator Assembly = 3 year

G7PCRB Permanent Mount

> G2MB Magnetic Mount

WHELEN

G1VR Magnetic/Suction Mount

Model	Technology	Mount	Dome Color	Base	No. Lamps	Amp	VDC	FPM	Certifi- cations	Size
G1P*		permanent								
G1M*	halogen 135 RPM	magnetic			2 - 55 watt, H1 bulb			540		
G1V*		magnetic/suction				9	12		J845	
G2P*		permanent				9	12		Class 1	
G2M*	halogen 175 RPM	magnetic	color outer dome		2 - 55 watt, H1 bulb			700		
G2V*		magnetic/suction		polycar-						6-1/4" (150mm) H x 7" (178mm) W x
G7P*		permanent		bonate						17-5/16" (440mm) L
G7M*		magnetic								
G7V*	atroba	magnetic/suction			2 alternating	3	12	480	J1318	
G7PC**	strobe –	permanent			beacons	3	optional 24	460	Class 1	
G7MC**		magnetic	Clear outer dome color inner domes							
G7VC**		magnetic/suction								

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

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.

#### **Options**

Color filter kit for G1 & G2 • 90 lb. magnetic mount kit with cigar plug





## Mini Freedom<sup>™</sup> Super-LED<sup>®</sup> Lightbars

- Start with two or four Linear-LED modules.
- Add up to four additional 400 Series Linear-LED warning lights.
- Halogen or LED take-down and alley lights.
- Color or Clear lenses.
- Lightheads available in Amber, Blue, Green, Red and White.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.



Model No.	Tech- nology	Mount	Amps	VDC	FPM	Base	Lens	Certifi- cations	Size
FT8****P	Linear	permanent	4						
FT8****M	Super-LED	magnetic	4	10	13 Scan-Lock <sup>™</sup>	extruded	Clear	SAE	3-3/4" (95mm) H x
FT8**00F	front facing	permanent	2	12	with external control	aluminum I-Beam	outer lens	Class 1	12" (304mm) W x 28-1/4" (717mm) L

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

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.

#### **Options**

Two halogen take-down lights
 Two halogen Alley lights
 Two 400 Series Linear-LED lightheads
 Four 400 Series Linear-LEDs
 Two inboard directional Super-LED lightheads for front facing lightbar only

## Mini Freedom Rotating Super-LED Lightbars

- Start with two or four corner Rota-Beam<sup>™</sup> modules.
- 100% solid-state Rota-Beam modules give the sweeping effect of a traditional halogen rotator without the mechanical failures and blown bulbs.
- Cruise light model standard for corner modules.
- Add one additional center front or reat Rota-Beam modules with mirrors.
- Rota-Beam modules available in Amber, Blue, Red and White.
- Color or Clear lenses.
- Five year HDP Heavy-Duty Professional warranty.





Model No.	Tech- nology	Mount	Amps	VDC	Patterns	Base	Lens	Certifi- cations	Size
FB8****P	rotating Super-LED	pormonont	2.2/peak		10	extruded	Clear	SAE	3-3/4" (95mm) H x
FB8*0*0P	rotating Super-LED front facing	permanent, standard	1.1/avg per rotator	12	10 flash patterns	aluminum I-Beam	outer lens	Class 1	12" (3Ò4mm) Ŵ x 28-1/4" (717mm) L

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

#### Options

• Add two front or rear 400 Series Linear-LED warning lights, (four total) • Add LR11 take-down and alley lights



## Mini Liberty<sup>™</sup> Super-LED® Lightbars

- Permanent mount includes MKEZ7 mounting kit.
- All models include 15 foot straight cord and cigar plug.
- Magnetic mount versions include four 90 lb. pull magnets.
- Clear outer lenses standard (optional color lenses available).
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.



Model No.	Technology	Mount	Amps	VDC	Patterns	Base	Certifi- cation	Size
LT2****P	Linear	permanent	5.92 peak	10	13 Scan-Lock <sup>™</sup>	extruded	SAE	2-1/2" (64mm) H x
LT2****M	Super-LED	magnetic	peak 2.36 average	12	13 Scall-Lock	aluminum	Class 1	12" (304mm) W x 22" (558mm) L

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

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.

#### **Options** (for permanent mount only)

Two LR11 alley lights
 One dual front facing LR11 take-down light.

## Justice<sup>®</sup> Super-LED Mini Lightbars

- Inboard Super-LED CON3<sup>™</sup> modules and Linear Super-LED corners.
- Permanent models come with 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.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.



Model No.	Tech- nology	Mount	Amps	Light Output	VDC	FPM	Base	Lens	Certifi- cation	Size
MJY****P		permanent	4 / peak 1.6 / avg.			79		Clear		2-1/4" (57mm) H x
MJY***M	CON3 Super-LED	magnetic	(4 corners	SAE Class 1	12	Scan-Lock patterns	extruded aluminum	outer lens	SAE Class 1	12" (304mm) W x 22" (558mm) L
MJY***V		magnetic/suction	`only)							, , , , , , , , , , , , , , , , , , ,

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

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.

#### **Options** (take-down and alley for permanent mount only)

• One CON3 (Red, Blue, Amber) • One LTR3™ (Red, Blue, Amber) for use with take-down lights • Four LR11s, 2 steady-burn and 2 steady-burn alley lights with 15° horizontal adjustment.











## L31 & L32 Series Super-LED<sup>®</sup> Beacons

- L31 is certified to meet NFPA Zone C Upper requirements in RED.
- Clear or color dome.
- Synchronize feature, cruise light, and low power.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.



Model No.	Mount	Profile	Base	Amps	FPM	VDC	Control	Certifi- cations	Size
L31H*F	permanent								
L31H*M	magnetic	high			permanent mount	12			4-1/64" (102mm) H x
L31H*V	magnetic/suction	high			21 built-in Scan-Lock <sup>™</sup> flash patterns				7-11/64" (182mm) Dia.
L31H*F4	permanent		die cast	1.5/average	plus 4 simulated	24	Hi/Low	SAE Class 1	
L32L*F	permanent		aluminum	3.8/peak	rotating patterns		control (perm)	California Title XIII	
L32L*M	magnetic				magnetic mount 75 SignalAlort™	12			2-1/2" (63mm) H x
L32L*V	magnetic/suction	low			SignalAlert™ only				2-1/2" (63mm) H x 7-11/64" (182mm) Dia.
L32L*F4	permanent	]				24	]		

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

#### Options

Mirror mount bracket • Shelf mount bracket • Pipe Mount kit for permanent/flat mount • Branch guard kit

## **RB6 Rota-Beam<sup>™</sup> Rotating Halogen Beacon**

- SAE Class 1 Certified (amber).
- Rotating halogen beacons.
- Rugged double roller bearing motor assembly providing superior durability and quiet operation.
- Magnetic mount supplied with 8' cord and cigar plug.
- Three year warranty on motor assembly.



single



Model No.	Model	Mount	Base	Amps	Candlepower	VDC	FPM	Bulb	Certifi- cations	Size
RB6P*P	aingla reflector	perm/pipe			110.000		150	50 watt		
RB6P*M	single reflector	magnetic	polycarbonate	4.5	110,000	12	150	snap-in	SAE Class 1 (Amber)	6-3/4" (172mm) H x 7-7/8" (200mm) Dia.
RB6T*P	dual reflector	perm/pipe			60,000		130	60 watt snap-in	(********	(2001111) 2141

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

#### Option

Magnetic Mount Kit

# Beacons

## **B6T and B6LED 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.
- LED design offers extremely low amp draw while maintaining superior light output.
- Super-LED<sup>®</sup> beacon and 700 Series Linear-LED<sup>®</sup> have built-in flashers providing multiple flash patterns, plus cruise light mode on LED beacon.
- Halogen rotating beacon features double roller ball bearing design, with parabolic reflector.
- Halogen flashing has a built-in electronic flasher. When used in pairs, B6 Series Five year HDP® Heavy-Duty Professional warranty on LEDs.
- Three year warranty on halogen motor assembly.

Model No.	Model	Mount	Base	Amps	Light Output	VDC	FPM	Rotator Bulb	Certifi- cations	Size
B6MM**P	L31 Super-LED upper beacon directional Super-LED lighthead lower section	flat	polished	2.3/avg. 5.4/peak	lumens	12	patterns	-		7-3/8" (187mm) H x 7-13/16" (198mm) W x 8-1/16" (204mm) D
B6TM**1P	RB6 Rota-Beam upper beacon directional Super-LED lighthead lower section	permanent	aluminum	4.8/avg. 5.9 peak	candlepower	12	150 single reflector	60 watt snap-in	Class 1	8-5/8" (219mm) H x 7-13/16" (198mm) W x 8-1/16" (204mm) D

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

#### R316 & R416 Rota-Beam<sup>™</sup> Rotating Beacons

- 100% Solid-state, no moving parts, no motors to wear out or malfunction.
- Conformal coated electronics provide moisture and vibration resistance.
- Photocell for low power, optional.
- Cruise light.
- Synchronizable with up to eight other Whelen 360° beacons.
- Permanent flat mount model supplied with six input pigtails.
- Magnet and magnetic/suction mount models supplied with a 10' straight cord, cigar plug with LED indicator On/Off switch and pattern control switch.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.

Model No.	Model	Color	Mount	Base	Amps	VDC	Dome	Flash Patterns	Certifi- cations	Size
R316*F			permanent							
R316*M		single color	magnetic							
R316*V	R316		magnetic/suction							4" (102mm) H x 7-3/16"
R316**F		split	permanent							(183mm) Dia.
R316**M		front & rear	magnetic			12		32		
R316**V		colors	magnetic/suction	powder coated	2.2	24V	color or	Scan-Lock™ with varying	SAE	
R416*F			permanent	die-cast base	2.2	models	Clear	rotating flash rates	Class 1	
R416*M		single color	magnetic			avallable		Tales		
R416*V	R416		magnetic/suction							4-7/8" (123mm) H x
R416**F		split	permanent							6-7/16" (163mm) Dia.
R416**M		front & rear	magnetic							
R416**V		colors	magnetic/suction							

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

#### Option

Photo cell for Hi/Low power









R316RF

R416BF

# Dash & Deck



## Avenger<sup>™</sup> Series

- Single or dual Linear Super-LED interior lightheads.
- Swivel/bail bracket with three suction cups.
- Snap-on polycarbonate hood.
- AVN models have 10' cord with cigar plug with On/Off switch and pattern selection switch.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.



Model No.	Lamp	Cable	Amps	VDC	Flash Patterns	Lens	Certifi- cations	Size (with shroud)
AVN1*	single		0.95		27			
AVN1#	single split	cigar plug	0.70/alternating 1.4/simultaneous	]	E A			2" (50mm) H x 5-1/2" (140mm) D x 5" (127mm) L
AVN2**	dual		1/alternating 2/simultaneous	12	54	Clear	SAE J845 Class 1	2" (50mm) H x 5-1/2" (140mm) D x 9-3/4" (248mm) L
AVNS1*	single	synchronized	0.95		34			2" (50mm) H x 5-1/2" (140mm) D x 5" (127mm) L
AVNS2**	dual	with 4 wire pigtail	1/alternating 2/simultaneous		69			2" (50mm) H x 5-1/2" (140mm) D x 9-3/4" (248mm) L

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

#### Options

Low profile mounting headliner bracket
 Visor mounting bracket
 Adjustable hight bracket kit

## **SpitFire<sup>™</sup> Series**

- LINZ6™ or ION™ Super-LED<sup>®</sup> interior dash and deck light with wideangle visibility and high intensity in solid or split colors.
- Allows for alternating (3x3 diodes) and simultaneous patterns (for split models), plus steady-burn.
- Includes integral hood, two suction cups, 10' cord with cigar plug with On/Off switch and pattern control switch.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.



Model No.	Style	Lamp	Amps	VDC	Flash Patterns	Lens	Certifi- cations	Size
SFP1*	Spitfire Plus	LINZ6 Super-LED	300ma/avg 700ma/peak	12	25 single color	Clear	SAE J845	1-9/16" (40mm) H x 3-1/2" (89mm) D x 4-3/8" (111mm) W
SFION*	Spitfire ION	ION SuperLED	0.46/avg 1/peak	12	69 split color	Glear	Class 1	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; G=Green; D=Red/White; E=Blue/White; J=Red/Blue.

## Slim-Miser<sup>™</sup> Series

- Competitor<sup>™</sup> Series highly effective LED dash light.
- Swivel mount with three suction cups.
- Change Scan-Lock flash patterns with button on back of the product.
- Eight foot cord with cigar plug and On/Off switch with LED "On" indicator.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.



Model No.	Lamp	Amps	VDC	Flash Patterns	Certifications	Size
SMLL**	LED	0.10/avg 0.33/peak	12	18 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; G=Green; D=Red/White; E=Blue/White; J=Red/Blue.

# Dash & Deck



### SlimLighter<sup>™</sup> Super-LED<sup>®</sup>

- For front or rear windshield, rear deck, dash or headliner.
- Swivel bracket mounts directly onto the headliner or windshield with two suction cups.
- Built-in pattern selection switch.
- Ten foot straight cord with cigar plug, On/Off switch and LED "On" indicator.
- Available in Red, Amber, Blue and White.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.

Model No.	Lamp	VDC	Amps	Flash Patterns	Certification	Size
SLPMM**	TIR6™ Super-LED	12	0.6/avg 1.5/peak	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; G=Green

**Option** • Bail bracket

## FlatLighter<sup>™</sup> Series

- A compact, rugged dual LED lighthead in a versatile size for mounting on visor.
- On/Off switch and pattern selection switch is built into the front of the unit.
- Includes 8' straight cord with cigar lighter plug and two built-in hook and loop mounting straps.
- Five year warranty on LEDs.



Model No.	Lamps	Amps	VDC	Patterns	Certification	Size		
FLLED**	dual LED	0.8	12	21 flash patterns	-	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; G=Green

**Option** • Customer installed 400 Series color lens

## Mirror-Beam<sup>™</sup> Series

- Custom textured Black molded housings fit over existing mirror glamour caps.
- 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 with simultaneous or alternating flash of each color with Scan-Lock patterns.
- Optional color lens are available for customer installation.
- Five year HDP Heavy-Duty Professional warranty.



Model No.	Lamps	Amps	VDC	Patterns	Vehicle	Certification	Lighthead Size	
MBCC11**					Chevy Caprice, 2011-12			
MBDC11**	]	1.0/peak			Dodge Charger, 2011-12	A (R Lower only),		
MBFT11**	ION™	0.40/avg			Ford Taurus, 2011-12	B R/A/B/W, 1" (29 C R/A/B/W, 4" (1 D R/A/B/W	1" (25mm) H x 4" (101mm) L	
MBFX11**		per lighthead			Ford Explorer, 2011-12		4 (10111111)	
MBFF12**					Ford F150, 2012			
MBPI06**			]		Chevy Impala, 2006-12	_	4-1/2" (114mm) H x 1-1/4" (32mm) D x 13" (330mm) L	
MBPS07**	500 Series Linear-LED®	.63/peak .315/avg per lighthead	12	25 Scan-Lock	Chevy Suburban, Sliverado, Tahoe, 2007-12	A (R Lower only), B R/A/B, C, D		
MBPM05**		per lightneau			Dodge Charger 2006-10	<b>0</b> , D		
VMCC11**					Chevy Caprice, 2011-13			
VMDC11**	ION V-Series with combination warning, flood/alley and puddle light	.765 warning			Dodge Charger, 2011-13	SAE J595		
VMFT11**		.31 alley .12 puddle			Ford Taurus, 2011-14	NFPA 1901	1" (25mm) H x 4" (101mm) L	
VMFX11**		per lighthead			Ford Explorer 2011-14	KKK 1822-F		
VMFF12**	ign				Ford 150, 2012-13			

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

# Dash & Deck

## WHELEN

## ION<sup>™</sup> Universal Mount

- Ultra compact water-resistant Super-LED<sup>®</sup> for interior or exterior use.
- Supplied with 6" pigtail.
- Synchronizable to other like Whelen Sync products.
- Universal mount bracket and secure double stick tape mounting.
- Optional swivel mount bracket in Black or White, grommet mount kit, Black or Chrome plated pedestal mount
- Five year HDP® Heavy-Duty Professional warranty.



Model No.	Lamp	Lamp Type	Color	Amps	VDC	Housing Color	Flash Patterns	Certifi- cation	Size
ION*		directional				Black			
IONW*	Super-LED	unectional	single or		10	White	Scan-Lock <sup>™</sup> 25 solid color	Class 1	7/8" (22mm) H x 1-1/4"
WION*		wide-	split color	1/peak	12	Black	69 split color	UIASS I	(32mm) D x 4" (101mm) W
WIONW*		angle				White			

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

#### **Options**

Swivel mount bracket in White or Black • Grommet mount • Pedestal mount kit in Chrome or Black • License plate bracket • Rear hatch mounting brackets

## Dominator<sup>™</sup> & Dominator Plus<sup>™</sup> Series

- Low profile surface mount housing with choice of TIR3™ or LINZ6™ modules.
- Interior or exterior use.
- Fully encapsulated with waterproof connectors.
- Internal self-contained electronics.
- Variable sizes fit many applications.
- 12" small dia. 4-C #20 AWG cable.
- Five year HDP Heavy-Duty Professional warranty.

Model No.	Tech- nology	No. of Lamps	Amps	VDC	FPM	Color	Housing	Mounting	Certifi- cation	Size H x D	Length
D2**	Dominator with	2	0.16/avg								7" (178mm)
D4****	WILII	4	0.4/peak		7 flack nottorna	ممانط	rugged				14" (356mm)
D6*****	TIR3	6	per lamp		7 flash patterns & steady on	solid colors	extruded	slide bolt		1-3/16"	21" (533mm)
D8§§§§0	Super-LED	8	lamp	10		of	aluminum		SAE	(35mm) H x	28" (711mm)
DP2**	Dominator	2	0.30/avg	12	pairs may be	Red	Black	optional	Class 1	`2-3/1́6"	7" (178mm)
DP4****	Plus	4	0.30/avg 0.75/peak		synchronized to each other	Blue or Amber	powder	suction cup		(55mm) D	14" (356mm)
DP6*****	LINZ6	6	per			AUDEI	coated				21" (533mm)
DP8§§§0	Super-LED	86	lamp								28" (711mm)

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

#### **Options**

Swivel mount bracket • "L" angle mount bracket • Upper rear window bracket kit • Rear hatch mounting bracket

## Raider<sup>™</sup> Super-LED<sup>®</sup> Series

- Interior or exterior use.
- Unique slide bolt housing offers versatile mounting, horizontal, vertical or even upside down.
- Pairs of single units may be synchronized to each other or to other like Whelen sync 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.
- Five year HDP Heavy-Duty Professional warranty.



Dominator Plus

with LINZ6

Model No.	Lamps	Amps	VDC	Housing	Cable	FPM	Certification	Size
R1*	single 500 Series Linear-LED®	0.4/avg 1/peak	10	rugged	2' 4-C	25 Scan-Lock (seven with phase 1 and phase	SAE	2-3/8" (60mm) H x 1-7/8" (48mm) D x 5-1/2" (140mm) L
R2**	dual 500 Series Linear-LEDs	0.8/avg 2/peak	12	extruded aluminum	2 4-0	2, synchronization, plus eleven other patterns)	Class 1	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; G=Green

#### PAR-36 & PAR-46 Hand Held Spot/Floodlights

- Hand held spot/flood combination optic light.
- Rugged rubber shroud and handle, Black powder coated mounting.
- 90# pull magnet mount with 8' coiled cord and cigar plug.
- Waterproof durable built-in push-button On/Off switch.
- Replacement lamps available.
- Five year HDP® Heavy-Duty Professional warranty.

PAR-36 combination spotlight/floodlight

Model No.	Lighting	Diodes	VDC	Amps	Lumens	Mount	Size	
P36HHS	combination spot/flood	6	12/24	0.65 @ 12 VDC 0.325 @ 24 VDC	500		9-3/8" (239mm) H x 3-1/2" (88mm) D x 4-5/8" (117mm) Dia.	
P46HHS	2° spotlight	9	12	2.3	2000	hand held includes magnet	10-1/2" (270mm) H x 3-3/4" (94mm) D x 6" (152mm) Dia.	
P46HHF	8° floodlight	18	12	1.9	1800	·····gilot	`x 6" (152mm) Dia.`	

## PAR-36 Heavy-Duty Super-LED® Work Light

- Rugged heavy-duty anodized cast aluminum housing.
- Includes stainless steel pedestal/swivel mount.
- Deutsch<sup>®</sup> waterproof connector.
- Mounts standing or hanging.
- 24 VDC available, contact factory.
- Five-year HDP Heavy-Duty Professional warranty.



WHELEN

PAR-46 2° spotlight

[	Model No.	Lighting	Diodes	Lumens	VDC	Amps	Size
	3PC0C0CD	spotlight	12	1,000	12	1.70	6-3/4" (171mm) H x 2-1/2" (64mm) D x 4-3/4" (121mm) W (without mounting)







## Pan & Tilt<sup>™</sup> Super-LED® Spotlight

- Wired or wireless controlled spotlight.
- Wireless controller mounts anywhere in easy access on your vehicle and provides smooth control of light without long cable runs.
- Proportional push-button control for quick and easy operation.
- Low amp draw.
- Tilts 90° up and 20° down.
- Pans 420° horizontally.
- LEDs are rated for thousands of hours.
- Defaults to home position after use.
- Size: 8-3/4" (220mm) H x 7-3/4" (196mm) Dia.
- Five-year HDP<sup>®</sup> Heavy-Duty Professional warranty.



shown

tilted

Flange mount

PT360P shown in home position

Wired or wireless controls

Mo	del No.	Mount	Controller	Base	Lens	Amps	Lumens	VDC
P	T360P	normanant	wired					12
PT	360PW	permanent	wireless	nakunakanata	hard-coated polycarbonate to resist scratches and UV damage	2 A (max)	1475	
P	7T360F		wired	polycarbonate				
PT	[360FW	flange	wireless					

#### Safety Site<sup>™</sup> Super-LED<sup>®</sup> Traffic Control and Landing Zone System

- Super-LED light modules designed for temporary warning.
- Safe, environmentally friendly alternative to flares.
- May be used vertical or horizontal
- (for emergency aircraft landing zone identification).
- Encapsulated electronics for moisture and vibration resistance.
- Visibility range, five to seven miles.
- Battery life approximately 100 hours.
- Five year HDP Heavy-Duty Professional warranty.



Model No.	Lamp Type	Color	Patterns	Housing Power		Size	
W20SSRK	5 module kit with Cordura duffle bag	Red	4	polycarbonate	3 alkaline size C batteries.	5" (125mm) H x 3" (74mm) D x	
W20SS	single module	nou	4	poryourbonuto	purchased separately	4-3/4" (122mm) L	



## Pioneer<sup>™</sup> Surface Mount

- Combination Spot/Floodlight with slim surface mount housing in Chrome or Black.
- Eliminates body cut-outs and adds moisture-resistant protection for your vehicle.
- Uniquely designed molded two part silicone grommet seals the 1" wire entry.
- Patent Pending optic design projects light directly down at 5° arching up to 90°.
- Simulates bright midday summer sunlight.
- Two foot (609mm) cable.
- Instant On/Off with no ramp up time or high current in-rush.
- DC models meet SAE 1113-42 Class 5 testing for EMI. They emit no EMI.
- Rated to last thousands of hours with remarkable bright light.
- Built-in nylon screw grommets eliminates galvanic corrosion.
- Rugged powder coated aluminum housing.
- AC models are coming soon pending UL® Listing.
- Five-year HDP<sup>®</sup> Heavy-Duty Professional warranty.



PCPSM2C



PCPSM1B

Model	Series	Lamp Type	Housing Color	Volts	Amps	Watts	Lumens	Size
PCPSM1C		single	Chromo		6	76	8,000	
PCPSM2C		dual	- Chrome	10.0	12	154	16,000	
PCPSM1B		single	Disale	12.8	6	76	8,000	
PCPSM2B	Pioneer Plus Spot/Floodlight VDC models	dual	Black		12	154	16,000	Single: 3-11/16" (94mm) H x 2-1/2" (64mm) D x 8-1/8" (206mm) L
PCPSM14C		single	Ohmenne	Chrome - 25.6	3	76	8,000	
PCPSM24C		dual	Gnrome		6	154	16,000	8-1/8" (206mm) L
PCPSM14B		single	Diack		3	76	8,000	- Dual: 3-11/16" (94mm) H x 2-1/2" (64mm) D x
PCPSM24B		dual	Black		6	154	16,000	
PCPSM1AC	Pioneer Plus Spot/Floodlight VAC models pending UL° listing	single	Ohmenne		0.6	72	75,00	2-1/2" (64mm) D x 14" (356mm) L
PCPSM2AC		dual	Chrome	100.00	1.2	144	15,000	
PCPSM1AB		single	Diack	120 AC	0.6	72	7,500	
PCPSM2AB		dual	Black		1.2	144	15,000	

#### **Pioneer Nano**<sup>™</sup>

- Three and six diode models.
- Rugged, die-cast aluminum housing, powder coated Black or White.
- Solid-state electronics are rugged and reliable, built for the long haul.
- Heavy-duty housing, electronics and mounting.
- 8° spotlight pattern, comes standard. Includes an additional 40° x 20° floodlight lens.
- Optic lens changes easily via four screws.
- Rated to last thousands of hours with remarkable bright light.
- Rated IP67 for dust and water resistance.
- Powder coated stainless steel bail bracket with 3/8" stud carriage bolt mount.
- Five-year HDP Heavy-Duty Professional warranty.

Model #	Diodes	Housing	Housing Color	Volts	Amps	Watts	Lumens	Size	
NP3BW	2		White	12	1	12.8	1100	1-7/8" (48mm) H x 1-3/4" (44mm) D x 3-1/2" (89mm) L	
NP3BB	3		Black			12.0	1100		
NP6BW		bail/stud	White	12 1.	1.5	19.6	- 1800	2-5/8" (67mm) H x 1-3/4" (44mm) D x 3-1/2" (89mm) L	
NP6BB	c	Dall/Stuu	Black		1.5	19.0			
NP6B4W			White	05 C	.75	19.6			
NP6B4B			Black	25.6	.75				



NP6BW



## WHELEN

## **Pioneer Micro**<sup>™</sup>

- Rugged, die-cast aluminum housing, powder coated Black or White.
- Solid-state electronics are rugged and reliable, built for the long haul.
- Rated to last 100,000 hours with remarkable bright light.
- Heavy-duty housing, electronics and mounting.
- 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.
- Rated IP67 for dust and water resistance.
- Powder coated stainless steel bail bracket with 3/8" stud carriage bolt mount, standard.
- Five-year HDP<sup>®</sup> Heavy-Duty Professional warranty.

#### **Pioneer Micro Lens and Patterns**



MPR15B

MPBB

ÊMÌ

MPPB

MPRW

MPBW

Model #	Housing	Housing Color	Volts	Amps	Watts	Lumens	Size
MPBW		White	12	0.5			
МРВВ	-	Black	12	3.5			4-1/4" (108mm) H  x 2-7/8" (73mm) D x
MPB4W	bail/stud	White	24	1.75			4-3/4" (121mm) W
MPB4B	_	Black		1.70			
MPRW		White	12 3.5	3.5			
MPRB	recessed Chrome	Black				6-15/16" (176mm) H x	
MPR4W	straight flange	White	0.4	1.75			2-9/16" (65mm) D x 7-11/16" (195mm) W
MPR4B		Black	24	1.75			
MPR15W	recessed Chrome	White	12	3.5			
MPR15B		Black	12	1.75			6-15/16" (176mm) H x 2-9/16" (65mm) D x 7-11/16" (195mm) W
MPR154W	15° downward angled flange	White	24				7-11/16" (195mm) W
MPR154B		Black	24		44.8	4100	
MPPW		White	12	3.5			
MPPWCS		White with Chrome cover & On/Off switch	12	3.5			
МРРВ		Black	12	3.5			
MPPBBS	low profile pedestal/swivel	Black with Black cover & On/Off switch	12	3.5			8-11/16" (220mm) H x 3-1/4" (82mm) D x 5-1/16" (129mm) W
MPPBCS		Black with Chrome cover & On/Off switch	12	3.5			
MPP4W		White		1	1		
MPP4B		Black	24	1.75			



#### **Pioneer SlimLine**<sup>™</sup>

- Rugged die-cast powder coated housing.
- Rated to last thousands of hours with low amp draw.
- Available in 12 or 24 VDC.
- Single unit comes standard with 8° lens. Additional 40° horizontal x 20° vertical flood lens also supplied.
- Dual unit comes standard with two 8° lenses. Two additional lenses supplied for floodlight dispersion of 40° horizontal x 20° vertical and 8° spot/40°flood combination.
- Powder coated universal bail mount works for vertical or horizontal mounting.
- Recessed housing available in straight or fixed 15° with Chrome trim ring.
- Low profile pedestal mount models available.
- Five year HDP<sup>®</sup> Heavy-Duty Professional Warranty.







PSL1R Single straight recessed mount

Dual straight recessed mount



PSL15R Single 15° downward angled recessed mount







Additional single and dual lenses.

Model #	Housing	Lamp	Housing Color	Volts	Amps	Watts	Lumens	Size	
PSL1B			White	10	0	00.0	0000		
PSL1BB		oingle	Black	12	3	39.2	3600	3-1/4" (82mm) H x 2-1/8" (55mm) D x	
PSL14B		single	White	24	1.5	39.2	3600	6-7/8" (175mm) W	
PSL14BB	bail/stud		Black	24	1.5	39.2	3000		
PSL2B	Dall/Stuu		White	12	6.1	78.3	7300		
PSL2BB		dual	Black	12	0.1	10.3	7300	3-1/4" (82mm) H x	
PSL24B		uuai	White 24	3	78.3	7300	2-1/8" (55mm) D x 12-1/2" (317mm) W		
PSL24BB			Black	24	3	10.3	7300		
PSL1R			White	10	3	39.2	3600		
PSL1RB		single	Black	12	3	39.2	3000	6-3/8" (160mm) H x	
PSL14R		single	White	04	1.5	39.2	3600	2" (51mm) D x 9-7/8" (251mm) W	
PSL14RB	semi-recessed		Black	24	1.5	39.2	3600		
PSL2R	Chrome straight flange		White	10	C 1	70.0	7300		
PSL2RB		dual	Black	12	6.1	78.3	7300	6-5/8" (168mm) H x	
PSL24R		dual	White	24		70.0	7000	2-5/8" (65mm) D x 15-1/2" (394mm) W	
PSL24RB			Black	24	3	78.3	7300	(••••••)	
PSL1R5		single	White	12	3	39.2	3600		
PSL1R5B			Black		3	39.2	3000	6-3/8" (160mm) H x	
PSL14R5	semi-recessed		White	0.4	1.5	39.2	2000	2" (51mm) D x 9-7/8" (251mm) W	
PSL14R5B	Chrome		Black	24			3600		
PSL2R5	15° downward		White	12	6.1	78.3	7300		
PSL2R5B	angled flange	dual	Black	1 12	0.1	78.3	7300	6-5/8" (168mm) H x	
PSL24R5		dual	White	04	3	78.3	7300	2-5/8" (65mm) D x 15-1/2" (394mm) W	
PSL24R5B			Black	24	3	78.3	7300	(••••••)	
PSL1P			White	10	0	20.0	2000		
PSL1PB		ainala	Black	12	3	39.2	3600	5-5/8" (143mm) H x	
PSL14P		single	White	0.4	4.5	00.0	0000	2" (51mm) D x 6-7/8" (175mm) W	
PSL14PB	low profile		Black	24	1.5	39.2	3600		
PSL2P	pedestal/swivel		White	10	C 1	70.0	7000		
PSL2PB		dual	Black	12	6.1	78.3	7300	5-5/8" (143mm) H x	
PSL24P		uuai	White	0.4	0	70.0	7000	2" (51mm) D´x 12-1/2" (317mm) W	
PSL24PB			Black	24	3	78.3	7300		
	1.1.1.1.1.1								
Model No.	Lighthead Only	Mo	del No.	Brow	Mount I	Bracket I	Description	n for PSL2 Only	

Model No.	Lighthead Only
PSL2	dual panel, White, mounting purchased separately
PSL2BLK	dual panel, Black, mounting purchased separately

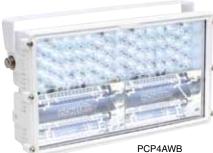
wouel No.	Brow mount bracket description for PSLZ Unity
PBSLFC	Center mount for M2 Freightliner, White
PBSLFCB	Center mount for M2 Freightliner, Black
PBSLFLR	Left & right side mount for M2 Freightliner, White
PBSLFLRB	Left & right side mount for M2 Freightliner, Black
PBSLFIC	Center mount for International Chassis, White
PBSLICB	Center mount for International Chassis, Black
PBSLIR	Left & right side mount for International Chassis, White
PBSLILRB	Left & right side mount for International Chassis, Black

## WHELEN

## Pioneer Quad<sup>™</sup> 4 Lamp - 120 VAC

- Four panels of Pioneer Plus<sup>®</sup> high intensity lightheads combined into one powerful work light.
- Floodlights are UL® Listed.
- Flood/8° Spot combination pending UL® approval.
- All models are 120 VAC.
- 120 VAC models will operate using a generator providing floodlighting at a distance away from the vehicle's voltage source without significant voltage drops.
- Solid-state electronics and lamps are rugged and reliable, eliminating the high cost of lamp or ballast replacement.
- Instant On/Off eliminating ramp-up time and high current in-rush.
- Long life LED operation with low current draw and low operating temperature.
- Rugged die cast aluminum, powder coated housing, available in White or Black.
- All models include supporting hardware.
- Removable handle standard on pedestal and pole mount models.
- Pioneer Series simulates bright midday summer sunlight.
- Engineered thermal design keeps LEDs running cool and efficiently, eliminating decreased diode output over long hours of operation.
- Five year HDP® Heavy-Duty Professional warranty.





Flood/Spotlight with Universal Side Bail Mount



Model	Series	Mounting	Switch	Housing Color	Volts	Amps	Watts	Lumens	Size
PFP4AW		lighthood only	-	White					
PFP4AB		lighthead only	-	Black					
PFP4AWP			-	White					7-3/8" (187mm) H x 3-3/32" (80mm) D x 14" (356mm) L
PFP4AWP1	Pioneer Quad	pole/pedestal Mount	1 switch	WINE	UL® listed 120 AC	2.5 AC		30,000	
PFP4ABP	Floodlights		-	Black			300 watts		
PFP4ABP1			1 switch	DIACK					
PFP4AWB		universal side	-	White					
PFP4ABB		bail mount	-	Black					
PCP4AW		lighthead only	-	White	-				
PCP4AB		lighthead only	-	Black					
PCP4AWP			-						
PCP4AWP1			1 switch	White					
PCP4AWP2	Pioneer Quad	pole/pedestal	2 switch		120				
PCP4ABP	Flood/Spotlights	mount	-		AC				
PCP4ABP1			1 switch	Black					
PCP4ABP2	1		2 switch						
PCP4AWB		universal side	-	White					
PCP4ABB		bail mount	-	Black					



## **Pioneer<sup>™</sup> Series** Floodlights

- Floodlights are available in four intensities.
- Solid-state electronics and lamps are rugged and reliable, eliminating the high cost of lamp or ballast replacement.
- Pioneer floodlights are instant On/Off eliminating ramp up time and high current in-rush required by high intensity discharge and other light sources.
- Pioneer provides long life LED operation with low current draw and low operating temperature.
- Pioneer LEDs operate at very high light efficiency producing high lumen output per watt.
- Floodlights can be flashed for added secondary warning in "Clearing Right of Way" mode. External flasher required.
- Rugged die cast aluminum, powder coated housing.
- Available in 12, 24 VDC and UL® (pending) 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.
- A wide range of mounting options.
- Removable handle standard on pedestal and pole mount models.
- Recessed housing mounts straight out or 15° fixed downward angle to maximize light effectiveness.
- Pioneer Series simulates bright midday summer sunlight.
- DC Pioneer models meet SAE 1113-42, Class 5 testing for EMI.
- HDP<sup>®</sup> Heavy-Duty Professional five-year warranty.



Pioneer Floodlight

PFP2





#### Lighthead only (Mounting Purchased Separately)

Model	Series	Lamp Type	Housing Color	Volts	Amps	Watts	Lumens	Size
PFA1		single		12.8	3.1	39.7	3,700	
PFA2		dual	White	12.0	6.1	78.8	7,400	
PFA14		single	VVIIILE	25.6	1.5	39.7	3,700	
PFA24	Pioneer	dual		23.0	3	78.1	7,400	
PFA1B	Floodlight	single	Black	12.8 -	3.1	39.7	3,700	
PFA2B		dual			6.1	78.1	7,400	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
PFA14B		single	- Diack	25.6	1.5	39.7	3,700	
PFA24B		dual			3	78.1	7,400	
PFP1		single		12.8 -	6.5	73.2	8,100	
PFP2		dual	White		13	166.4	16,000	
PFP14		single	vviiite	25.6	3.05	83.2	7,400	
PFP24	Pioneer Plus™	dual		23.0	6.5	166.4	16,000	
PFP1B	Floodlight	single	Black	12.8	6.5	83.2	8,100	
PFP2B		dual	DIAUK	12.0	13	166.4	16,000	
PFP1AC		single		VAC models pending UL°	.6	75	7,500	
PFP2AC		dual	White	listing	1.2	150	15,000	

#### Option

Model PFLASH - Flasher with Steady-burn override with multiple flash patterns.



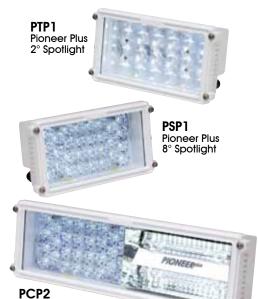
#### Pioneer<sup>™</sup> Series Spotlights & Combination Spot/Floodlights

- 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 are rugged and reliable, eliminating the high cost of lamp or ballast replacement.
- Pioneer floodlights are instant On/Off eliminating ramp up time and high current in-rush required by high intensity discharge and other light sources.
- Pioneer provides long life LED operation with low current draw and low operating temperature.
- Pioneer LEDs operate at very high light efficiency producing high lumen
   output per watt.
- Rugged die cast aluminum, powder coated housing.
- Available in 12, 24 VDC and UL<sup>®</sup> 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.
- A wide range of mounting options.
- 3/4" NPT pole mount models fit most industry standard poles.
- Removable handle standard on pedestal and pole mount models.
   Recessed housing mounts straight out or 15° fixed downward angle
- to maximize light effectiveness.
   Pioneer Series simulates bright midday summer sunlight.
- No ultraviolet light to attract insects during nighttime operation.
- DC Pioneer models meet SAE 1113-42, Class 5 testing for EMI.
- HDP<sup>®</sup> Heavy-Duty Professional five-year warranty.



#### Lighthead only (Mounting Purchased Separately)

Model	Series	Lamp Type	Housing Color	Volts	Amps	Watts	Lumens	Size
PTP1	Pioneer Plus™	single 2°			6.5	83.2	8,000	3-11/16" (94mm) H
PSP1	Spotlight	single 8°	W/bite	12.8	6.5	75	8,000	x 2-1/2" (64mm) D x 8-1/8" (206mm) L
PCP2	Pioneer Plus Spotlight/ Floodlight	dual combination Floodlight & 8° Spotlight	White	12.0	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			White	12.8	16.5	0.05	00.000	
PCP3B	Pioneer Max Spotlight/ Floodlight	combination	Black			225	20,000	6-1/16" (155mm) H
PCP34		dual Floodlight & dual 8° Spotlight	White	05.0	8.2	210.4	20,000	x 3" (Ż6mm) Ó x 14-1/16" (357mm) L
PCP34B			Black	25.6	8.2	210.4	20,000	
PSP1AC	Pioneer Plus 8° Spotlight	single 8°			.6	75	7,500	Single: 3-11/16" (94mm) H
PCP2AFS	Pioneer Plus Spotlight/ Floodlight	dual Flood - Left Spot - Right	White	UL®	1.2	150	15,000	x 2-1/2" (64mm) D x 8-1/8" (206mm) L Dual:
PCP2ASF		dual Flood - right Spot - I eft		Listed 120 AC	1.2	150	15,000	3-11/16" (94mm) H x 2-1/2" (64mm) D x 14" (356mm) L
РСРЗА	Pioneer Max	combination			1.5	180	17,000	6-1/16" (155mm) H
РСРЗАВ	Spotlight/ Floodlight	dual Floodlight & dual 8° Spotlight	Black		1.5	180	17,000	x 3" (76mm) D x 14-1/16" (357mm) L



Pioneer Plus Combination Floodlight and 8° Spotlight



PCP3 Pioneer Max Combination Dual Pioneer Plus Floodlights and Dual 8° Spotlights



## **Pioneer<sup>™</sup> & Pioneer** Plus<sup>™</sup> Mounting

Most mountings are shown with lightheads which are purchased separately



#### PBA103/PBA203 Semi-recessed mount with chrome trim ring







PFP1LP Low profile pedestal/swivel mount



#### Mounting Options (Lightheads Purchased Separately)

Model #	Series	Lamp	Description	Size			
PBAPEDA	mounting options only for Pioneer	single &	pedestal mount adapter for AC models, includes 20' of 3-C cable				
PBAPEDD		dŭal	pedestal mount adapter for DC models, includes 20' of 4-C cable	-			
PBA103						semi-recessed mount with Chrome trim ring, build mouto the floadlighte	7-5/8" (194mm) H x 2" recessed x 11-7/8" (302mm) L
PBA203		only		housing mounts the floodlights straight out or at 15° downward angle.	7-5/8" (194mm) H x 2" recessed x 17- 3/16" (436mm) L		
PBA0127	and Pioneer	single & dual	2-3/4" radius brow mounting brackets, adjustable to 20° downward angle.	vehicle			
PBA0130	Plus lightheads	single & dual	3" radius brow mounting brackets, adjustable to 20° downward angle.	specific			
PBA106U		single		4- 5/8" (118mm) H x 3-3/16" ((80mm) D x 8-3/16" (208mm) L			
PBA206U		dual	universal bail bracket	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				
PBAPIRCE			Pierce Manufacturing chassis	
PBAFERA			Ferrara Fire chassis	
PBAHME			HME chassis	
PBASUT			Sutphen Corp and Sutphen Towers chassis	Vehicle specific
PBAE1			Emergency One chassis	
PBAE1Q	Pioneer or	single or dual	Emergency One Quest chassis	
PBAKME	Pioneer Plus		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	Lamp Type	Voltage	housing	Size
PFA1LP	Pioneer				White	
PFA1LPB		Floodlight		Black		
PFP1LP			Floodlight	12 VDC	White	
PFP1PB					Black	7" (158mm) H x 3-1/3/16" (80mm) D x 8-3/16" (208mm) L
PSP1LP		single	8° Spotlight	12 000	White	
PSP1LPB	Pioneer				Black	
PTP1LP	Plus		0° Cratlight		White	
PTP1LPB			2° Spotlight		Black	
PSP1ALP			00.0	100 \/AC	White	
PSP1ALPB			8° Spotlight	120 VAC	Black	





## **Pioneer<sup>™</sup> 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



Rugged die cast housing is designed with deep fluting for superior thermal management resulting in low operating temperature and ex-tended LED life and performance. Shown with removable handle, pole pedestal mount with switch.

#### Pedestal/Pole Mounting (Lighthead Included with Mounting)

Model # PFA1P PFA1PB PFA1P1	Series	Lamp	Lamn Type	Voltage	Switch	Housing	Size with handle
PFA1PB PFA1P1	Jenes	Lanip	Lamp Type	vollaye	SWILLI	White	Size with hamule
PFA1P1	-				-	Black	-
	-	single				White	-
PFA1P1B	_				On/Off	Black	-
PFA1P1B PFA2P	Pioneer					White	-
PFA2PB	-				-	Black	
PFA2P1	-	dual				White	
PFA2P1B					On/Off	Black	-
PFP1P			floodlight			White	Single Lighthead:
PFP1PB	4				-	Black	9-3/4" (247mm) H x
PFP1P1	_	single				White	9-3/4" (247mm) H x 6-1/16" (155mm) D x 10-13/16" (275mm) W
PFP1P1B	_				On/Off	Black	
PFP2P	-					White	-
PFP2PB	-			12 VDC	-	Black	Dual Lighthead:
PFP2P1	-	dual				White	9-3/4" (247mm) H x
PFP2P1B	Pioneer				On/Off	Black	6-1/16" (155mm) D x 14-1/16" (357mm) W
PSP1P	Plus™					White	. 14-1/10 (30/11111) W
PSP1PB	-				-	Black	-
PSP1P1	-	single	8° spotlight			White	
PSP1P1B					On/Off	Black	
PCP2P	-					White	
PCP2PB	-		combination		-	Black	
PCP2P2		dual	flood and 8° spotlight		Dual	White	
PCP2P2B			opomgin		On/Off	Black	-
PCP3P			combination		-	White	10-13/16" (275mm) H x
PCP3P1	– Pioneer Max™	dual x 2	dual floodlight & dual 8° spotlight		On/Off	Black	6-1/16" (155mm) Ď x 14-1/16" (357mm) W
PFP1AP						White	
PFP1APB					-	Black	-
PFP1AP1	-	single				White	-
PFP1AP1B	-				On/Off	Black	-
PFP2AP	1		floodlight			White	Cinala Liabthaad
	-				-		9-3/4" (247mm) H x
	-	dual					6-1/16" (155mm) D x 10-13/16" (275mm) W
					On/Off		
	Ploneer						-
-	1				-	-	Dual Lighthead
	-	single	8° spotlight	120 VAC			9-3/4" (247mm) H x
-	4				On/Off	-	14-1/16" (155mm) D x
	-						
טאניטיוט	-		combination		-		-
PCP2AP		dual	floodlight and				-
PCP2APB	-		8° spotlight		On/Off	-	
PCP2APB PCP2APB1							
PCP2APB PCP2APB1 PCP2APB1B					-		
PCP2APB PCP2APB1 PCP2APB1B PCP3AP			combination dual floodlight &			Diaale	10-13/16" (275mm) H x 6-1/16" (155mm) D x
PCP2APB PCP2APB1 PCP2APB1B PCP3APB PCP3APB	Pioneer	dual	dual floodlight &			Black	6-1/16" (155mm) Ď x
PCP2APB PCP2APB1 PCP2APB1B PCP3AP	Pioneer Max	dual x 2			On/Off	White	6-1/16" (155mm) Ď x 14-1/16" (357mm) W
PFP1AP1B PFP2AP PFP2APB PFP2AP1 PFP2AP1B PSP1AP PSP1APB PSP1AP1 PSP1AP1B	- Pioneer Plus	single	combination floodlight and 8° spotlight	120 VAC	- On/Off -	Black White Black White Black White Black White Black White Black White Black White	6-1/16" (155mm) D 10-13/16" (275mm) Dual Lighthead: 9-3/4" (247mm) H 6-1/16" (155mm) D 14-1/16" (357mm) \

## Pioneer<sup>™</sup> Series Pole Mounting Options

#### 3000, 3100 & 3050 Series

(Lighthead Purchased Separately)

- Rugged extruded aluminum AC and DC pole assemblies.
- Side and Thru Body mount versions.
- Three conductor internal wire input for AC/four conductor for DC models.
- Side mount poles available in 12" or 20" outer body, 57" adjustable pole assembly.
- New 3050 Series 30", 40" & 50" side mount, for use with 120 VAC Pioneer & Pioneer Plus Spot/Floodlights.
- Poles and outer bodies anodized to eliminate corrosion and yellowing.
- 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).
- Requires Pioneer with pole/pedestal mount adapter (purchased separately).
- Silver powder coated non-adjustable stand-off mounting brackets available in 2", 3", 5" and 7".
- Custom pole lengths available. Download Pioneer Designer Program to design custom pole assemblies.
- Five-year HDP<sup>®</sup> Heavy-Duty Professional warranty.

#### Side mount stand-off mounting brackets



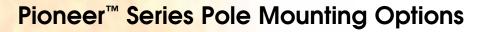
#### Pioneer<sup>™</sup> Designer Program

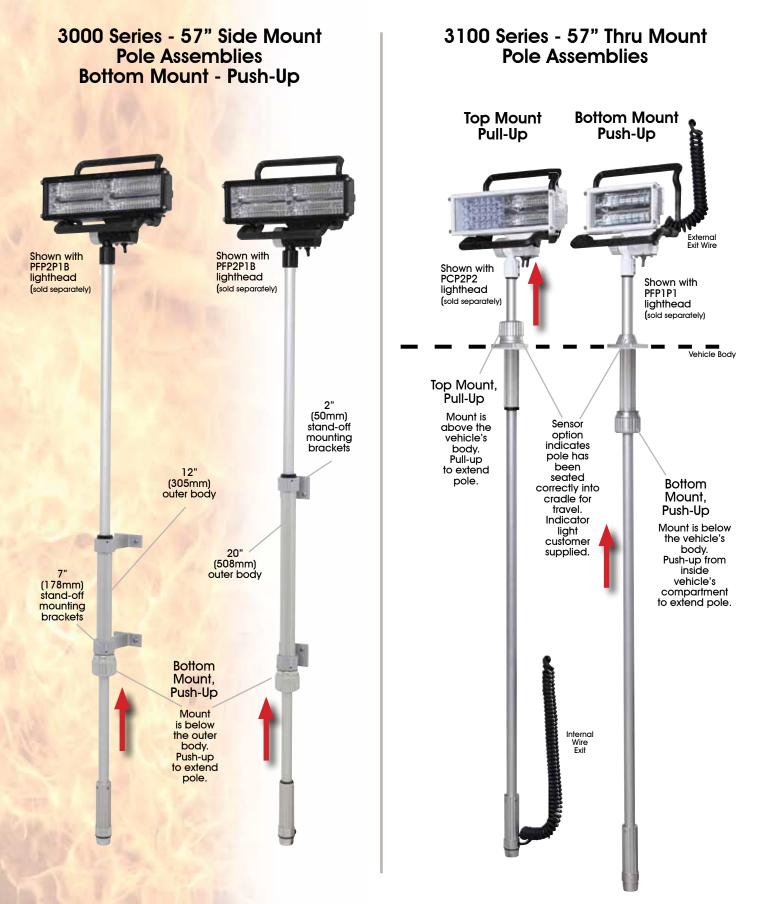
Build or customize your Pioneer lighthead mounting with "Whelen's Pioneer Designer" download from our website, **www.whelen.com** From the home page, go to **Automotive**, then **Tech Support and Downloads (1)**. Choose **Pioneer Designer** and click on download (2). Pioneer Designer lets you pick and choose options and enter custom pole and lighthead requirements (3). (3)





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## **Pioneer<sup>™</sup> Series Mounting Options**

#### 3200 Series Folding Tripod **AC Pole Assemblies**

(Lighthead Purchased Separately)

- Rugged 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 without plug.
  - With inner coil cord with plug.
  - With loose external coil cord for top wire exit with plug.
  - With loose coil cord for external top wire exit without plua.
- All moving aluminum parts are isolated with nylon bushings for superior industry leading adjustment and fold outs.
- All inner poles, outer bodies and folding leas are anodized to eliminate corrosion and yellowing.
- Requires Pioneer with pole/pedestal mount adapter . (purchased separately).
- Optional tripod mounting cradle bracket with upper quick disconnect mount bracket.
- Optional ground tripod mounting bracket for all folding tripods.
- Five-year HDP<sup>®</sup> Heavy-Duty Professional warranty.

Lower folding tripod mounting cradle kit Model 87283001



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## **3300 Series Ground Tripods**

(Lighthead Purchased Separately)

- Rugged White powder coated cast aluminum AC portable ground tripod.
- **Requires Pioneer with pole/pedestal mount** adapter (purchased separately).
- Includes stationary quick disconnect mount.
- Supplied with 12" cable.
- Available with optional plug.
- Five-year HDP Heavy-Duty Professional warranty.





Underneath side showing pin that recesses into stationary quick discon-nect mount, included with ground tripod for secure storage.

Quick disconnect mount attaches to around 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.

cradle

# Lightheads - LED Warning

## M Series Super-LED® Warning

- Unique lens shape is completely illuminated.
- Patented Linear-LED<sup>®</sup> designed reflector assembly.
- Hard-coated lens resists scratches, chemical and UV damage.
- Surface mounted via two screws allows for easy installation.
- Lens and reflector are a sealed assembly.
- Lighthead is designed with the mounting screws located outside of the sealed lens/reflector assembly eliminating water infiltration.
- Built-in flasher models are synchronizable.
- Choose solid, left/right, top/bottom, in/out, or diagonal sequencing.
- Meets KKK 1822F, NFPA 1901, SAE, EC65 specifications.
- Includes California Title XIII compliant flash patterns.
- Five-year HDP® Heavy-Duty Professional warranty. .



SmartLED







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M9 with optional chrome flange

Model No.	Optics	LED Color	Available Colors	Lens	VDC	Flasher	Patterns	Amps	Certifica- tions	Lighthead Size
M2*	standard warning	single color	A, R, B, W	color	ear lor 12	built-in	129 Scan-Lock™ including steady 69-Split	1 / peak .45 / avg	B (R/A/B) C (R/A/B)	2-1/2" (64mm) H x 4" (102mm) W x 1" (25mm) D
M2*C				Clear						
M2#		split color	R/A, R/B, R/W	Ultai						
M2W*	wide-angle warning	single color	A, R, B, W	color						
M2W*C				Clear						
M2W#		split color	R/A, R/B, R/W							
M4*	standard warning	single	A, R, B, W	color	r 12	built-in	125 Scan-Lock 64-Split	1.5 / peak 0.6 /avg	A (Lower R) B (A/B/W) C (R/A/B)	3-3/8" (86mm) H x 5-1/2" (138mm) W x 1-3/8" (35mm) D
M4*C		color		Clear						
M4#		split color	R/A, R/B, R/W	0.00						
M4*S		single color	A, R, B, W	color		requires flasher	_			
M4*CS						purchased separately				
M6*	standard warning standard warning				12	built-in	159 Scan-Lock 64-Split	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						
M6#		split color	R/A, R/B, R/W	olcal						
M6*S		single color	A, R, B, W	color		requires flasher	-			
M6*CS						IIasiiei purchased separately				
M7A					12	built-in	159 Scan-Lock 64-Split	2.25 / peak 0.9 / avg	A (Upper R/W, Lower R) B (R/A/B) C	3-3/8" (86mm) H x 7-5/8" (194mm) W x 1-3/8" (35mm) D
M7*C				Clear						
M7#		split color	R/A, R/B, R/W	Glear						
M7*S		single color	A, R, B, W	color		requires flasher				
M7*CS						TIASNER purchased separately	-		(R/A/B)	
M9A	standard warning				12	built-in	159 Scan-Lock 64-Split	3 / peak - 1.2 / avg	A (Upper R/A/W, Lower R) B	6-1/2" (165mm) H x 10-3/8" (263mm) W x
M9*C				Clear						
M9#		split color	R/A, R/B, R/W							
M9*S		single color	A, R, B, W	color		requires			(R/B)	1-3/8" (35mm) D
M9*CS						flasher purchased separately	-		(R/A/B)	

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



M2GROM

M6P15C M6FCV2 M6FCV3 M6FCV4

A=Amber, B=Blue, C	=wnite, R=Red, D=Sp	int Red/white,J=Spin	Red/Blue, K=Split R	ed/Amber				
	Op	tion Model N	0.		Options 😬 🦥 📂 🦳 🗐 🥮 🖳			
M2	M4	M6	M7	M9	Description			
M2FC	M4FC	M6FC	M7FC	M9FC	Chrome plated flange			
M2FB	M4FB	M6FB	M6FB	M9FB	Black flange			
	M4BRUSH	M6BRUSH	M7BRUSH	M9BRUSH	Black brush guard			
-	M4FC400	M6FC600	M7FC700	M9FC900	Chrome flange, adapts M Series to 400, 600, 700, 900 Series style lightheads			
M2PEDB	-	-	-	-	Black pedestal mount kit			
M2PEDC	-	-	-	-	Chrome pedestal mount kit			
M2GROM	-	-	-	-	Grommet mount kit			
-	-	M6P15C	-	-	Chrome 15° angled surface mount housing			
-	-	M6P15B	-	-	Black 15° angled surface mount housing			
-	-	M6HDLMTK	-	-	Headlight mounting kit for ATI & KD housings, includes hardware			
-	-	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)			

#### **OS<sup>™</sup> Series**

- Smallest lighthead available by Whelen.
- Encapsulated for moisture, vibration, corrosion resistance.
- Steady-burn requires remote flasher.
- Clear outer lens, color LEDs.
- Five year warranty.





HELE

OSROOSCR

Replace symbol* in model number with letter indicating color desired: A=Amber, B=Blue, C=White,	R=Red
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Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	FPM	Amps	Cable	Certification	Size
0S*00FCR	warning	LED	surface (includes	A R	10	single flash	60mA/peak 30mA/avg	6"	_	1" (25mm) H x 1-1/2"
0S*00SCR	00SCR warning		Chrome flange)	W B	12	12 steady	30mA	pigtail	-	(48mm) W x 1/2" (13mm) D

#### **OR<sup>™</sup> Series**

- Designed for door panel mounting.
- Single flash or steady-burn.
- Clear outer lens, color LEDs.
- Five year warranty.





ORAOOFCR

ORROOSCR

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

Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	FPM	Amps	Cable	Certification	Size	
0R*00FCR	warning	LED	recess	A	A 12		60mA/peak 30mA/avg	.6"	_	3/4" (19mm) H x 3/4"	
0R*00SCR				R		steady	30mA	pigtail		(19mm) Ŵ x 1/2" (13mm) D	

### Vertex<sup>™</sup> Competitor

- Economically priced 6 diode.
- Electronics built-into base.
- Clear outer lens, color LEDs.
- Five year warranty.
- Surface mount with optional flange.



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

	Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	FPM	Amps	Cable	Certification	Size
	VTC6*	warning	Super- LED®	headlight surface taillight	A, R B, W	12	25 Scan- Lock™	62mA/peak 25mA/avg	6" pigtail	-	1" (26mm) H x 1-5/8" (41mm) Dia.
Π	Ontion Model No. Ontions Description										

ee <	
VTCFB VTCFC	

#### Vertex™

Encapsulated self-contained light with in-line lamp driver.

Black flange

- Surface mount with optional flange.
- Clear outer lens, color LEDs.
- Five year warranty.

VTXFB

						керіас	e symbol^ in model nu	mber with lett	er indicating color desire	a: A=Amber, B=Blue, C=White, R=Red
Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	FPM	Amps	Cable	Certification	Lighthead Size
VTX609*	warning	Super-	headlight or	A, R B, W	12	25	.750/peak	9'	_	1" (26mm) H x 1-5/8"
VTX609#	Split warning	LĖD	taillight surface	A, R B, W	12	Scan-Lock	.30/avg	9	-	` (41mḿ) Dia.
Option IV	Option Model No. Options Description		n			à				
VT	VTXFC Chrome plated flange				2					



### 2G & 5G Lightheads

- SmartLED<sup>®</sup> design requires no external flasher.
- Fits all applicable industry mounting accessories. Economical and reliable.
- Encapsulated.
- Can be surface mounted with optional flange. .
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.





WHELEN

5GA00FAR

Model No.	Lamp Type	Tech- nology	Mount	Color	Lens	VDC	FPM	Amps in mA	Cable	Certification	Size
2G*00F*R					A, R	Clear	15 Scan-Lock™ patterns	300/avg 500/peak	12" pigtail	<b>D - (</b> Class 1) <b>C</b> - (Class 2)	5-1/2" (140mm) Dia. x 1-1/4" (31mm) D (with grommet) 3-3/16" (81mm) H x 7-7/16" (189mm) W x 1-1/4" (38mm) D (with grommet)
2G*00FCR	warning	LED	recess (includes	А	Clear						
5G*00F*R	warning		vinyl grommet)	R	A, R					D - (Class 1)	
5G*00FCR					Clear						

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

Model No.	2G Option Description		Model No.	5G Option Descrip
2GFLANGC	Surface mount Chrome plated flange kit		5GFLANGC	Surface mount Chrome plate
2GFLANGB	Surface mount Black flange kit		5GFLANGB	Surface mount Black fla
2GBKT1	Black surface mount "L" bracket	2GBKT1	5GBKT1	Black surface mount "L"

2GFLANGB

odel No.	5G Option Description
GFLANGC	Surface mount Chrome plated flange kit
GFLANGB	Surface mount Black flange kit
5GBKT1	Black surface mount "L" bracket
	·

FLANGC	Surface mount Chrome plated flange kit
FLANGB	Surface mount Black flange kit
GBKT1	Black surface mount "L" bracket



3" & 3-1/2" Round 3" Round

- Surface mount.
- Ultra thin at only 7/16" (12mm) depth.
- Five year warranty.

#### 3-1/2" Round

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





PAR28DJ

Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	Amps in mA	Patterns	Cable	Certification	Size						
3S*00F*R	3" round warning	LED	surface mount	A,R,B		.50 amp/peak .25 amp/avg	160 FPM		-	3" (76mm) Dia.						
PAR28*		LIN6™ Super-LED®		A,R, B,W			25 Scan-Lock									
PAR28J											split R/B		2 amp/peak			
PAR28D	3-1/2" round	LIN6 Super-LED split colors	fog light	split R/W	12	.9 amp/avg	69 Scan-Lock	6" pigtail	D	3-1/2"						
PAR28E	warning driving light	LIN6	fog light	split B/W						(89mm) Dia						
PAR28D*							W with B or R		1 amp/peak	50						
PAR28DJ		Super-LED interleaved		W with B over R		.4 amp/avg	Scan-Lock									

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

a land					
Option N	lodel No.	Options Description			
3"	3-1/2""				
<b>3FLANGEC</b>	-	Chrome plated flange			
<b>3GROMMET</b>	-	Rubber grommet kit			





#### WHELEN

### 4" Round

#### **Flat Lens**

- TIR6<sup>™</sup> Super-LED<sup>®</sup> with synchronize feature.
- Supplied with adapter for PAR36 (4-1/2") applications.
- Five year warranty.

#### **Extended Lens**

- LINZ6<sup>™</sup> Super-LED with synchronize feature.
- Supplied with adapter for PAR-36 (4-1/2") applications.
- To simultaneously flash or alternate multiple LED lightheads use optional LED flasher.
- Extended lens models with two LINZ6 modules.
- Five year HDP® Heavy-Duty Professional warranty.





4" Round, TIR6, Flat Lens

4" Round, LINZ6, Extended Lens



4" Round, shown with fog light mount

Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	Amps	Patterns	Encap- sulated	Cable	Certification	Size	
2F*00Z*R	warning flat lens	TIR6 Super-LED	surface	A, R B, W		0.8/max .32/avg	25 Scan- Lock™			D	4"-1/4 (108mm) Dia.x 1-3/16" depth	
2E*00Z*R	warning extended	LINZ6 Super-LED			25 Scan-Lock							
2E#00ZCR	lens	Split LINZ6 Super-LED	mounting	Split R/B, R/W, B/W			69 Scan-Lock					
FEDC06*R		LINZ6 Super-LED	2011-2013 Dodae	A, R B, W			25 Scan-Lock					
FEDC06#R	-	Sp Su	Split LINZ6 Super-LED	Split LINZ6 Super-LED	Split R/B, R/W, B/W			69 Scan-Lock				
FDCT10*R		Interleaved Split LINZ6	2010-2013 Chevy	R, B	12		25 Scan-Lock	yes	6" pigtail		4"-1/4 (108mm)	
FDCT10JR	warning		Tahoe	Split B over R			69 Scan-Lock					
FDFP11*R	fog light mount with extended	Interleaved LINZ6 Super-LED	2010-2013	A, R B, W		2/peak 0.9 avg	25 Scan-Lock			B, C, D	Dia. x 2" extended lens depth	
FDFP11JR	includes mounting	Interleaved Split LINZ6 Super-LED	Ford Expedition	Split B over R			69 Scan-Lock					
FECT10*R		LINZ6 Super-LED	2010-2013	A, R B, W			25 Scan-Lock					
FECT10#R		Split LINZ6 Super-LED	Tahoe	A. R			69 Scan-Lock					
FEFP11*R		LINZ6 Super-LED	2011-2013				25 Scan-Lock					
FEFP11#R		Split LINZ6 Super-LED					69 Scan-Lock					

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

Option Model No.	Options Description
2GROMMET	Rubber grommet kit - not for fog mount lights
2FLANGEC	Chrome flange kit - not for fog
2FLANGEB	Black flange kit - not for fog

### WHELEN

SmartLED

#### TIR3<sup>™</sup>, LIN3<sup>™</sup> LINZ6<sup>™</sup> & LINV2<sup>™</sup>

- Fully encapsulated for moisture and vibration resistance.
- Highly intense and effective surface mount light modules.
- Includes Black polycarbonate mounting flange.
- Synchronizable to other products with the "sync" option.
- Includes steady-burn, alternating and simultaneous patterns available.
- Split LINZ6 will alternate or simultaneous flash each color segment (3x3).
- Five year HDP® Heavy-Duty Professional warranty.
- LINV2 offers two-in-one, combination 180° warning and puddle light with Scan-Lock™ warning flash patterns.

LINV2\*

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TIR3 vertical mount

Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	Amps	Patterns	Encap- sulated	Cable	Certification	Size		
RS*03ZCR		TIR3	horizonal, surface							<b>B</b> (R) <b>C</b> (A)	1-1/8" (28mm) H x		
RV*03ZCR	warning	LIN3 Super-LED LIN26 Super-LED	vertical surface	R, B, A, W		0.40/peak 0.16/avg	25 Scan-Lock			<b>D</b> W (Class 1 B/W)	`1-1/4" (32mm) D x		
RS*02ZCR				A, W							` 3-1/2" (89mm) L		
LINZ6*			LIN76	LIN76	LIN76							_	
LINZ6#			horizontal, surface	split R/W, R/B, R/A	. 12	0.75/peak 0.30/avg	69 Scan-Lock	yes	6" pigtail	A (Lower only, R) B (B/R) C D (Class 1)	2" (48mm) H x 1-5/8"		
LINZ61	split	Split		split A/A							(40mm) D x 4" (102mm)		
LINZ62	warning	Split LINZ6		split B/B							Ľ		
LINZ65		Super-LED		split R/R									
LINV2*	combination light	LINV2 Super-LED	horizontal, surface	R, B, A, W		0.75/warning 0.12/puddle	25 Scan-Lock			<b>C</b> , <b>D</b> (A)	1-1/2" (40mm) H x 1-5/8" (42mm) D x 3-7/8 (98mm) 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=Split Red/White, J=Split Red/Blue, K=Split Red/Amber

Model No.	Model	Option Description
RFLANGEC		Chrome plated flange kit
RFLANGCD		Deep Chrome plated flange kit
RFLANGEA		Cast aluminum brush guard flange kit
RFLANG2C	TIR3	Chrome plated flange for dual lightheads
RFLANG2B		Black flange for dual lightheads
RBKT1	LINZ6	Mounting bracket for one lighthead
RBKT2	LINV2	Mounting bracket for two lightheads
RBKT5		Under sideview mirror bracket
RBKT6		License plate bracket for 2 lightheads-horizontal
RBKT7		License plate bracket for 2 lightheads-vertical
RBKT10		Dodge Charger trunk mount- pair

Model No.	Model	Option Description					
RGROMMET		Grommet mount kit except LINV2					
RBKT11	TIR3	Bed rail mount bracket for F-150					
RBKT12	LIN3	Bed rail mount bracket for F-250/350/450/550					
RBKT13		Bed rail mount bracket for Chevy Silverado					
RBKT14	LINZ6 LINV2	Bed rail mount bracket for Chevy Silverado/GMC 1500					
RBKT8B		Black fender mount, Freightliner 2 or Inernational, pair					
RBKT8C		Black fender mount, Freightliner 2 or Inernational, pair					
RBKT4	TIR3/LIN3 LINV2	Swivel mounting bracket for one lighthead					
LINZ6FC		Deep Chrome plated flange kit					
L6BKT2		Dodge Charger trunk mount- pair					
L6BKT3	LINZ6	46° push bumper bracket					
L6BKT5		Under sideview mirror bracket					
LIN4KIT		Convert LINZ6 to mount LIN4 location					



#### ION<sup>™</sup> & ION V-Series<sup>™</sup>

- Standard, wide-angle and NEW V-Series, 3-in-1 lighthead with 45° color warning, White illumination facing straight out and White illumination for ground lighting.
- Highly intense and effective. .
- Synchronizable to other products with sync option.
- Includes steady-burn, alternating and simultaneous patterns. .
- Black, White or Chrome diecast housing. .
- Five year HDP® Heavy-Duty Professional warranty. .



WHELEN

IONV3R V-Series

Model No.	Lamp Type	Tech- nology	Mount	Color	Housing Color	VDC	Amps	Patterns	Cable	Certifi- cation	Size	
ION*	warning			R, B, A, W	Black					B,C,D		
IONW*	warning			TT, D, A, W	White					(A/B/R)		
ION#	split			split R/B	Black					C,D		
IONW#	warning		universal	R/W, B/A	White					(W)	1" (25mm) H x 1-1/4" (32mm) D	
WION*	wide-angle		surface	R, B, A, W	Black					A,B,C,D (A/R) B,C,D (B) A,C,D	1-1/4" (32mm) D x 4" (101mm) L	
WIONW*	wide-allyle			N, D, A, W	White							
WION#	split			split R/B	Black							
WIONW#	wide-angle			R/W, B/A	White					<b>A,C,D</b> (W)		
IONSM*	_	ION Super- LED®	ION			Black						
IONSMW*	warning			R, B, A, W	White	12	1/peak 0.40/avg			<b>B,C,D</b> (A/B/R) <b>C,D</b>	1-11/16" (43mm) H x 1-1/8" (28mm) D x 5-15/16" (150mm) L	
IONSMC*					Chrome							
IONSM#	split			split R/B R/W, B/A	Black			25		(W)		
IONSMW#	angle		surface		White			Scan- Lock™	6" pigtail			
WIONSM*			mount, includes flange	R, B, A, W	Black					<b>A,B,C,D</b> (A/R)		
WIONSMW*	wide-angle				White							
WIONSMC*					Chrome					(A/R) <b>B,C,D</b> (B)		
WIONSM#				split R/B	Black							
WIONSMW#	split wide-angle			R/W, B/A	White					<b>A,C,D</b> (W)		
WIONSMCD				split R/W	Chrome							
IONV3*	0 in 1		universal		Black		Warning				1" (25mm) H x	
IONV3*W	3-in 1 lighthead with		surface	R, B, A, W warning	White		lights: 0.765,				1" (25mm) H x 1-1/4" (32mm) D x 4" (101mm) L	
IONSV3*	warning alley, and	ION V-Series	surface	with W alley and puddle lighting	Black		Alley lights:			<b>C,D</b> (Å)	1-11/16" (43mm) H x	
IONSV3*W	puddle light		mount, includes flange		White		0.31, Puddle				(43mm) H x 1-1/8" (28mm) D x 5-15/16"	
INONSV3*C	iiyiit				Chrome		light: 0.12.				D x 5-15/16" (150mm) 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=Split Red/White, J=Split Red/Blue, K=Split Red/Amber

Model No.	Option Description	Model No.	Option Description
IONK1W	Swivel mount bracket, White	IONPEDB	Black pedestal mount
IONK1B	Swivel mount bracket, Black	IONPEDC	Chrome plated pedestal mount
IONGROM	Grommet mount kit	IONBKT1	License plate bracket for 2 lightheads





#### SideKick<sup>™</sup> Series

- ION™ standard warning, wide-angle or ION V-Series™, three-in-one combination light with 45° warning, steady-burn White flood/alley and ground illumination.
- 180° Wide-angle warning models.
- Adds critical lighting coverage to side of Ford and Chevy vehicle.
- Polycarbonate construction.
- Five year HDP® Heavy-Duty Professional warranty.



SK01BB Ford

SK02JJ Chevy



Model No.	Lamp Type	Tech- nology	Color	Housing Color	VDC	Amps	Patterns	Cable	Certifi- cation	Size
SK01**	ION		R, B, A, W				25			Fits
SK01JJ	warning	ION	split R/B	Black	12	1.0/peak .40/avg	69	10" 4-wire pigtail	C A, C, D, W	2013-2014
SK01W**	ION wide-angle	Super-LED®	R, B, A, W				25			Ford Police Interceptor Sedan
SK01WJJ	warning		split R/B				69			
SK01V3**	ION V-Series	ION V-Series	R, B, A, W			.765 warning		10" 6-wire pigtail		
SK02V3**	warning	3-in-1 Super-LED	n, d, A, W			.31 alley .12 puddle	25	10 0-wire pigtaii	D, W	Fits
SK02**	ION		R, B, A, W							2011-2013
SK02JJ	warning	ION	split R/B			1.0/peak	69	10" 4-wire pigtail	C	Chevy Caprice Police
SK02W**	ION wide-angle	Super-LED	R, B, A, W			.40/avg	25	10 4-wite pigtail		
SK02WJJ	warning		split R/B				69			

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

#### V23 Super-LED<sup>®</sup> Series

- 180° Wide-angle warning.
- Optional angled flange mount for mounting on a curved body panel of any vehicle.
- Polycarbonate construction.
- Five year HDP Heavy-Duty Professional warranty.





SK02V3RR Chevy



V23RTPC

Model No.	Lamp Type	Tech- nology	Mount	Color	Housing Color	VDC	Amps	Patterns	Cable	Certifi- cation	Size
V23*TPB		3-in-1	surface	R, B, A, W	Black		W = .76	25			2-11/16 " (68mm) H x
V23*TPC	warning	Super- LED®	includes flange	warning W illumination	Chrome	12	A = .62 P = .12	Scan- Lock™	6" pigtail	D	1-1/2" (38mm) D x 4-1/4" (109mm) L

Model No.	Option Description						
V23P20B	Black angled surface mount housing						
V23P20C	V23P20C Chrome angled surface mount housing						
V23PEDB	Black pedestal mount						
V23PEDC Chrome plated pedestal mount							
V23PEDC	Chrome plated pedestal mount						

#### Strip-Lite<sup>™</sup>

- Slim rectangular shape offers mounting versatility in tight spaces.
- Encapsulated.
- Low current consumption.
- Polycarbonate construction, surface mounted with two screws.
- Five year HDP Heavy-Duty Professional warranty.



SmartLED

Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	Amps	Patterns	Cable	Certifi- cation	Lighthead Size
PS*00F*R	warning	LED	surface	R, B, A, W	12	0.675/max 0.27/avg	14 Scan-Lock includes 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

Model No.	Option Description
PSBKT451	45° mounting bracket
PSBKT1	Guard for use with or without angle bracket



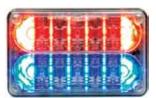
**PSROOFRR** 

#### 400 Series<sup>™</sup>

- Available with or without internal flasher.
- Single level is surface mount.
- Single level includes steady-burn, and synchronize feature.
- Dual level has six Super-LEDs over six Super-LEDs with individual control of upper and lower level.
- Dual level requires LED flasher and optional mounting, purchased separately (not to be used as steady-burn light).
- Available with Clear or color lens, except V-Light has Clear lens only.
- NEW 400 Series V-Light<sup>™</sup> has 3-in-1 combination lighting in one module, with 45° flashing color warning, White steady alley or flood light and White downward projecting ground illumination or puddle light.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.



40A02ZCR



HELEN





Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	Amps	Patterns	Cable	Certifi- cation	Lighthead Size	
40**5SCR	dual level warning	Linear Super-	requires optional mounting	R, B, A, W		1.8/peak 0.72/avg	requires optional flasher	6" pigtail	A (Upper R/S/W) C W	3-3/16" (77mm) H x 2-3/4" (69mm) D	
40*02Z*R	single level warning	LED®			12	.90/peak 0.36/avg	25 Scan- Lock™		A (Lower only R)	x 4-15/16" (124mm) L	
4V3*	warning, alley/flood & puddle light	3-in-1 Super-LED lighting	surface	R, B, A, W warning, steady W for alley and puddle		1.2 warning 0.40 alley light 0.12 puddle	warning has 25 Scan-Lock patterns		Class 1	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

Model No.	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

Model No.	Option Description
4EGRILP	Grille-Master™ Chrome housing with swivel bracket
4EGRILB	Grille-Master Black housing with swivel bracket
4ILKT1	Polished intersection housing kit, pair, for 4300/4400 International chassis only



#### 500 LED Series<sup>™</sup>

- Surface mount model and model that requires optional mounting.
- Available with Clear or color lens.
- LEDs are rated for thousands of hours of operation.
- Polycarbonate construction.
- Encapsulated.
- Five year HDP Heavy-Duty Professional warranty.



50B00FBR

Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	Amps	Patterns	Cable	Certifi- cation	Lighthead Size
50*00F*R	warning LE	5mm LED	requires optional mounting	R, B, A, W	12	.300/peak .120/avg	14 Scan-Lock	6" pigtail	W	1-13/16" (46mm) H x 7/8" (22mm) D x 5-3/16" (131mm) L
5S*00F*R		LLD	surface							

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

#### See next page for mounting options.



#### **500 Super-LED® Series**

- Requires optional mounting. •
- NEW 500 Series V-Light™ has 3-in-1 combination lighting in one module, with 180° flashing color warning, White steady alley or flood light and White downward projecting ground illumination or puddle light.
- Solid color available with Clear or color lens.
- V-Series and split color lights have Clear lens.
- LEDs are rated for thousands of hours of operation.
- Five year HDP® Heavy-Duty Professional warranty.

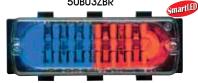


50RA3ZCR

50R02ZRR



50B03ZBR



50RB2ZCR

5V3R showing

puddle light



Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	Amps	Patterns	Cable	Certifi- cation	Lighthead Size
50*02Z*R	horizontal mount warning			R, B, A, W		1.0/peak .40/avg			A (R Lower)	
50**2ZCR	horizontal mount split warning	Linear Super-LED	requires optional mounting	A/A, A/B, A/W, A/R B/B, B/W, B/R W/W, W/R, R/R		.50/peak .20/avg per side	25	6"	B (R) C D (R) W	1-5/8" (41mm) H x 1-3/4" (44mm) D x 5" (127mm) L
5V*02Z*R	vertical mount warning			R, B, A, W		1.0/peak .40/avg				
50*03Z*R	warning	TIR6™		R, B, A, W	12	.63/peak .315/avg	Scan- Lock™	pigtail	C D W	1-5/8" (41mm) H x
50**3ZCR	split warning	Super-LED		A/A, A/B, A/W, A/R B/B, B/W, B/R W/W, W/R, R/R		.315/peak .125/avg per side			C, D, W	1-3/8" (35mm) D x 5" (127mm) L
5V3*	warning, alley/flood & puddle light	3-in-1 Super-LED lighting		R, B, A, W warning, steady W for alley and puddle		0.12 warning 1.0 alley light 0.5 puddle			D	2-1/8" (54mm) H x 1-5/8" (42mm) D x 5-3/8" (137mm) 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, second \* is for LENS color.

Model No.	500 Series Option Description
5FLANGEB	Black flange kit
5FLANGEC	Chrome plated flange kit
5FLANGEP	Polished aluminum flange kit
5GROMMET	Rubber grommet kit
52SMAB	Black surface mount adapter, strobe only, requires flange
5TSMAB	Black surface mount adapter, TIR6 Super-LED only
5TSMAC	Chrome plated surface mount adapter, TIR6 Super-LED only

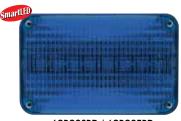
Model No.	500 Series Option Description
5LSMAB	Black surface mount adapter, Linear-LED® only
5LSMAC	Chrome plated surface mount adapter, Linear-LED only
5BRUSH	Aluminum brush guard for TIR6 only, requires flange
5HSGPED	Polished aluminum housing & pedestal swivel mount kit
5HSGB1	7/8"-1" round bar mount, includes housing and flange
5HSGB125	1-1/4" round bar mount kit, includes housing and flange
5BKT1	Universal mounting bracket for Super-LED

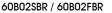


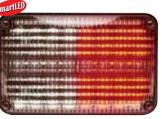


#### 600 Series

- Single color available with Clear or color lens.
- Split color lightheads has Clear lens.
- Split color has independent On/Off side to side control.
- Hi/Low power except on Rota-Beam.
- NEW 600 Rota-Beam<sup>™</sup> Super-LED<sup>®</sup> oscillating light with no moving parts or motors. 100% solid-state with 180° light output.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.







60RC6FCR





6RBRC

Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	Amps	Patterns	Cable	Certifi- cation	Lighthead Size	
60*02S*R	warning	Linear Super- LED Rota- Beam Super- LED		R, B, A, W		1.40/peak .53/avg	requires optional flasher				
60*02F*R				,,,		1.4/peak .53/avg	14 Scan-Lock™		A, B, C, D, W	4-1/8" (105mm) H x 1-3/8" (35mm) D x	
60**6FCR	split warning		LÉD	surface	R/A, R/B, R/W	12	.75/peak .3/avg per side	54 Scan-Lock	6" pigtail	D, W	6-1/2" (165mm) L
6RB*	oscillating			R, B, A, W R color lens		2.2/peak	14 Soon Look		D	4-3/16" (106mm) H x	
6RB*C	warning			R, B, A, W R Clear lens		1.1/avg	Scan-Lock		U	3-7/16" (88mm) D x 6-9/16" (167mm) 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, second \* is for LENS color.

Model No.	600 Series 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



6EHDLTMK









#### 700 Series

- Single color available with Clear or color lens.
- Split color lightheads has Clear lens.
- Split color has independent On/Off side to side control.
- Low power.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.





70A02SAR / 70A02FAR

70RC6FCR

Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	Amps	Patterns	Cable	Certifi- cation	Lighthead Size
70*02S*R	- warning			R, B, A, W	12	.1.40/peak .53/avg	requires optional flasher			3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L
70*02F*R		Linear Super- LED®	surface	n, d, A, W		1.4/peak .53/avg per side	14 Scan-Lock™	6" pigtail	A, B, C, D, W	
70**6FCR	split warning			R/A, R/B, R/W		.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.

Model No.	700 Series Option Description	(in -11- in)			2 4	F7 4
7FLANGEB	Black flange kit	7FLANGEB	7EFLANGE			
7EFLANGE	Chrome plated flange kit				7EGRILB	7EGRILP
7CAST3	Polished cast aluminum housing, vertical mount, 3 lamp			7CAST3		
7EGRILP	Grille-Master <sup>™</sup> Chrome housing with swivel bracket, strobe & LED only					
7EGRILB	Grille-Master Black housing with swivel bracket, strobe & LED only					
7GCV6LRC	Grille mount chrome housing 2006-11 Chevy Express van, pair				73FKIT	
73FKIT	Mounting kit to convert 700 Series to fit in old style 73 Series hole cutouts					

#### 900 Series

- Largest surface mount with dual level LEDs.
- Single color light available with clear or color lens.
- Split color lightheads has clear lens.
- Split level lights have top/bottom control.
- Low power.
- Five year HDP Heavy-Duty Professional warranty.



90RR55RR / 90RR5FRR

90RC5FCR

Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	Amps	Patterns	Cable	Certifi- cation	Lighthead Size
90**5S*R	worning					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	warning	Linear Super- LED	surface	R, B, A, W	12	2.8/peak 1/avg	14 Scan-Lock			
90**5FCR	split warning			R/A, R/B, R/W		1.4/peak .5/avg per side	steady-burn & Hi/Low			(

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.

Model No.	900 Series Option Description
90FLANGB	Black flange kit
90FLANGC	Chrome plated flange kit
97FKIT	Mounting kit to convert 700 Series to fit in old style 73 Series hole cutouts





### Lightheads - Halogen Warning

### WHELEN

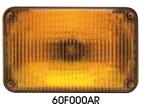
### Halogen Lighthead Series

Color outer lens.

- Requires optional flasher, purchased separately.
- Redesigned gasket material assures greater moisture resistance. •
- Five sizes to choose from.
- Polycarbonate construction. •

Lamp







90F000RR

40J000CR

70F000BR

70F000BR		<b>—</b> 50КО	OOGR
mps	Patterns	Cable	Certi catio

Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	Amps	Patterns	Cable	Certifi- cation	Lighthead Size
40J000*R	400 Series warning	27 W halogen snap-in bulb	requires optional mounting	2.5	12			6" pigtail	A, B, C	3-3/16" (77mm) H x 2-3/4" (69mm) D x 4-15/16" (124mm) L
50K000*R	500 Series warning	35 W snap-in bulb				2.75	requires		D	1-5/8" (41mm) H x 1-3/4" (44mm) D x 5" (127mm) L
60F000*R	600 Series warning			R, B, A, C, G		2	halogen flasher, purchased separately			4-1/8" (105mm) H x 1-3/8" (35mm) D x 6-1/2" (165mm) L
70F000*R	700 Series warning	60 W snap-in bulb				5			A, B, C, W	3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L
90F000*R	900 Series warning									7-1/8" (181mm) H x 1-3/8" (35mm) D x 9-1/8" (232mm) L

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

Model No.	400 Series Option Description
4EFLANGE	Chrome plated flange kit for single level only
4FLANGEB	Black flange kit for single level only
4EGRILP	Grille-Master™ Chrome housing with swivel bracket
4EGRILB	Grille-Master Black housing with swivel bracket
4ILKT1	Polished intersection housing kit, pair, for 4300/4400 International chassis only





4EGRILP

4ILKT1

lodel No **6FLANGEB** Black flange kit **6EFLANGE** Chrome plated flange kit



	Model No.	700 Series Option Description
	7FLANGEB	Black flange kit
1	7EFLANGE	Chrome plated flange kit
		The second s

**7EFLANGE** 

**7FLANGEB** 

Model No.	500 Series Option Description
5FLANGEB	Black flange kit
5FLANGEC	Chrome plated flange kit
5FLANGEP	Polished aluminum flange kit
5GROMMET	Rubber grommet kit
5HSGPED	Polished aluminum housing & pedestal swivel mount kit
5HSGB1	7/8"-1" round bar mount, includes housing and flange
5HSGB125	1-1/4" round bar mount kit, includes housing and flange
LEDLOAD	In-line load resistor kit to interface with OEM turn signal circuit





Black flange kit 90FLANGB 90FLANGC Chrome plated flange kit



90FLANGB

### Lightheads - Strobe Warning



#### Strobe Lighthead Series

- Color outer lens.
- Requires optional power supply, purchased separately.
- Two year warranty.

201000RR







402000RR



602000RR

1	1000	11/1								
Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	Amps	Patterns	Cable	Certifi- cation	Lighthead Size
201000*R	4" Round warning	strobe bulb			12	dependent upon power supply	requires power supply,	6" pigtail optional extension cables purchased separately	B, E	4-1/4" (108mm) Dia.
402000*R	400 Series warning								A (R Lower), B, E, W	3-3/16" (77mm) H x 2-3/4" (69mm) D x 4-15/16" (124mm) L
502000*R	500 Series warning			BBA					E(A)	1-5/8" (41mm) H x 1-3/4" (44mm) D x 5" (127mm) L
602000*R	600 Series warning	Linear strobe		R, B, A, C, G			purchased separately		A (R Lower, R/A/C Upper),	4-1/8" (105mm) H x 1-3/8" (35mm) D x 6-1/2" (165mm) L
702000*R	700 Series warning								Β <sub>R/A/B</sub> , Ε, W	3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L
902000*R	900 Series warning								В, Е, W	7-1/8" (181mm) H x 1-3/8" (35mm) D x 9-1/8" (232mm) L

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

Option Model No.	4" Round Option Description		
2GROMMET	Rubber grommet kit		
2GBKT1	Black L-bracket for grommet mount	2GROMMET	2GBKT1

Model No.	400 Series Option Description
4EFLANGE	Chrome plated flange kit for single level only
4FLANGEB	Black flange kit for single level only
4EGRILP	Grille-Master <sup>™</sup> Chrome housing with swivel bracket
4EGRILB	Grille-Master Black housing with swivel bracket
4ILKT1	Polished intersection housing kit, pair, for 4300/4400 International chassis only

**4EGRILB** 

ion housing kit, pair, fo rnational chassis only	r 4300/4

4ILKT1

4EGRILP

Model No.	500 Series Option Description
5FLANGEB	Black flange kit
5FLANGEC	Chrome plated flange kit
5FLANGEP	Polished aluminum flange kit
5GROMMET	Rubber grommet kit
5HSGPED	Polished aluminum housing & pedestal swivel mount kit
5HSGB1	7/8"-1" round bar mount, includes housing and flange
5HSGB125	1-1/4" round bar mount kit, includes housing and flange



5GROMMET 5HSGPED



**6FLANGEB** Black flange kit **6EFLANGE** Chrome plated flange kit

**4FLANGEB** 

**4EFLANGE** 

Model No.	700 Series Option Description
7FLANGEB	Black flange kit
7EFLANGE	Chrome plated flange kit

7EFLANGE

Model No.	900 Series Option Description
90FLANGB	Black flange kit
90FLANGC	Chrome plated flange kit



7FLANGEB

902000RR

### Lightheads - 508 & 810 Warning

#### Strobe & Halogen Surface Mount Lighthead Series

- Surface mount.
- Color outer lens.
- Strobe requires optional power supply, purchased separately.
- Strobe versions have soldered-in linear strobe tubes.
- Redesigned gasket material assures greater moisture resistance.
- Two sizes to choose from.



58EC20RR



580CAAAR



WHELEN

81EC20AR



810CAAAR

1	Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	Amps	Patterns	Cable	Certifi- cation	Lighthead Size
	580CAA*R	508 Series	dual 27 W halogen				5		6" pigtail	W	5" (127mm) H x 2" (50mm) D x 8-5/8" (220mm) L
	58EC20*R	warning	linear strobe	surface mount	R, B, A, C. G	12	dependent on power supply	requires flasher, purchased separately	extension cable purchased separately	vv	
	810CAA*R	010	dual halogen				5		6" pigtail	A, W	0" (000mm) II.v
	81EC20*R	810 Series Warning	linear strobe				dependent on power supply		extension cable purchased separately	E, W	8" (203mm) H x 2" (50mm) D x 10" (254mm) L

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

Model No.	508 & 810 Series Option Description
508TRIM	Chrome plated trim ring for 508 Series
810TRIM	Chrome plated trim ring for 810 Series



508TRIM









## Lightheads - Brake/Tail/Turn



#### Incandescent Series Brake/Tail/Turn

- Color outer lens.
- 600 and 700 Series use industry standard #1157 lamps.
- Requires mounting option, purchased separately.
- Polycarbonate construction.





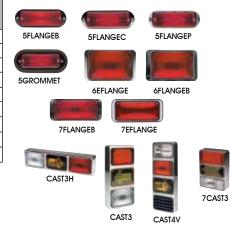
500 Series

600 Series

700 Series

Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	Amps	Patterns	Cable	Certifi- cation	Lighthead Size
50X000RR	500 Series B/T/T	incandescent snap-in bulb					connects		К, Х	1-5/8" (41mm) H x 1-3/4" (44mm) D x 5" (127mm) L
60X000RR	600 Series B/T/T	#1157	requires optional mounting	R	12	2.2	to existing vehicle wiring	6" pigtail	J, K, L T, V	3-3/16" (77mm) H x 2-3/4" (69mm) D x 4-15/16" (124mm) L
70X000RR	700 Series B/T/T	incandescent bulb							J, K, L M, T, V	3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L

C	ption Model No		Options Description				
500	600	700	options description				
5FLANGEC	6EFLANGE	7EFLANGE	Chrome plated flange				
5FLANGEB	6FLANGEB	7FLANGEB	Black flange				
5FLANGEP	-	-	Polished aluminum flange				
5GROMMET	-	-	Grommet mount kit				
-	PLAST3V	-	Chrome flange for three lightheads, vertical				
-	PLAST4VL	-	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				









### Lightheads - Brake/Tail/Turn



900 Series

500 Series

**Fech** Certifi-**Model No** Amps requires .4 high 0.4 low J, K, L, Y, X, Q 4" Round 4-1/4" 20R00XRR LED optional B/T/T dia. mounting 4-5/16" (109mm) H x 6-3/4" (170mm) W x 1-3/8" (35mm) D M6 Series 0.85 brake M6BTT B/T/T 0.06 tail R J, K, L, X, Y 6-1/2" (165mm) H x 10-3/8" (263mm) W x 1-3/8" (35mm) D M9 Series 0.75 brake M9BTTX Super-LED® B/T/T 0.55 tail surface 3-3/16" (77mm) H x 2-3/4" (69mm) D x 4-15/16" (124mm) 40BTT 400 Series .375 brake I. B/T/T .040 tail 40BTTC С 5SR00XRR 1-5/8" (41mm) H x 1-3/4" (44mm) D x 5" (127mm) L R 500 Series .25 high requires LED 12 6" pigtail B/T/T .05 low 50R00XRR optional R mounting 4-1/8" (105mm) H x 1-3/8" (35mm) D x 6-1/2" (165mm) L 60BTT 600 Series A. B. C. W B/T/T 60BTTC С 3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L R 70BTT .375 brake 700 Series Super-LED .040 tail B/T/T 70BTTC С surface 7-1/8" (181mm) H x 1-3/8" (35mm) D x 9-1/8" (232mm) L R 90BTT 900 Series B/T/T 90BTTC С A, B, C, W **PSR00XRR** LED R .5 high/.05 low J, K 1" (25mm) H x 1-3/8" (35mm) D x 11-1/2" (292mm) L Strip-Lite<sup>™</sup> .225 turn / 150mA brake PSRASXCR B/T/T LED with turn R/A С -40mA tail

		Ontiona Description						
4" Round	M6	M7	500	600	700	900	Strip-Lite	Options Description
2FLANGEC	M6FC	M7FC	5FLANGEC	6EFLANGE	7EFLANGE	90FLANGC	-	Chrome plated flange
2FLANGEB	M6FB	M7FB	5FLANGEB	6FLANGEB	7FLANGEB	90FLANGB	-	Black flange
-	M6BRUSH	M7BRUSH	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.
			LEDL	.0AD				Adds additional amperage load

**7FLANGEB** 





**5FLANGEP** 



M6FCV3 PLAST3V

M6FCV4 PLAST4VL

CAST3H





WHELEN

51

## Lightheads - Turn Signals



#### **Incandescent** and LED Turn Signals

- ٠ Arrows may be mounted left or right.
- 400 LED Series is turn indicator/front marker clearance light . combination.
- M Series are surface mounted.
- LED Series may be surface mounted, or use optional mount. •
- Incandescent requires vehicle cut-out. •
- Mounting options are purchased separately. .
- LEDs have Five year HDP® Heavy-Duty ٠ Professional warranty.



Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	Amps	Patterns	Cable	Certifi- cation	Lighthead Size
60X000TR	600 Series	incandescent with industry	requires vehicle			2.2/high .575/low				4-1/8" (105mm) H x 1-3/8" (35mm) D x 6-1/2" (165mm) L
70X000TR	700 Series	standard #1157 bulbs	cut-out and mounting			2.2/high .575/low	-		L, Y	3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L
M6T	M6 Series		surface			.75/max	8			4-5/16" (109mm) H x 6-3/4" (170mm) W x 1-3/8" (35mm) D
М9Т	M9 Series		mount	Α	12	1.2/max	0	6"		6-1/2" (165mm) H x 10-3/8" (263mm) W x 1-3/8" (35mm) D
40A00AAR	400 Series	LED			-	.4/max .06/avg	2	pigtail	<b>X</b> , Y	3-3/16" (77mm) H x 2-3/4" (69mm) D x 4-15/16" (124mm) L
60A00TAR	600 Series		surface mount			.7/max .35/avg	6		L, Y	4-1/8" (105mm) H x 1-3/8" (35mm) D x 6-1/2" (165mm) L
70A00TAR	700 Series		optional mounting available			.9/max .45/avg	0			3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L
90A00TAR	900 Series		a vanabio	IE		1.25/max 1/avg	17			7-1/8" (181mm) H x 1-3/8" (35mm) D x 9-1/8" (232mm) L

Incandescent LED								Ontione Description	
600	700	M6	M9	400	600	700	900	Options Description	
6EFLANGE	<b>7EFLANGE</b>	M6FC	M9FC	4EFLANGE	6EFLANGE	7EFLANGE	9FELANGE	Chrome plated flange	
6FLANGEB	7FLANGEB	M6FB	M9FB	4FLANGEB	6FLANGEB	7FLANGEB	9EFLANGEB	Black flange	
-	-	M6BRUSH	M9BRUSH	-	-	-	-	Brush guard	
-	-	-	-	-	-	-	-	Polished aluminum flange	
-	-	-	-	-	-	-	-	Grommet mount kit	
-	-	M6FCV2	-	-	-	-	-	Chrome flange for two lightheads, vertical	
PLAST3V	-	M6FCV3	-	-	PLAST3V	-	-	Chrome flange for three lightheads, vertical	
PLAST4VL	-	M6FCV4	-	-	PLAST4VL	-	-	Chrome flange for four lightheads, vertical	
CAST3H	-	-	-	-	CAST3H	-	-	Three lighthead cast aluminum housing, horizontal	
CAST3	7CAST3	-	-	-	CAST3	7CAST3	-	Three lighthead cast aluminum housing, vertical	
CAST4V	-	-	-	-	CAST4V	-	-	Four lighthead cast aluminum housing, vertical	
-	-	M6FC600	M9FC900	-	-	-	-	Chrome flange converts to hundred series lighthead	













CAST3H





6EFLANGE

**6FLANGEB** 

M6FC600

7FLANGEB

M6FC

M6FCV4

CAST3

CAST4V

## Lightheads - Back-up Lights

#### Halogen, Super-LED<sup>®</sup> & LED Back-Up Lights 70J000CR 60J000CR M Series are surface mounted. LED Series may be surface mounted, or use optional mount. Halogen requires vehicle cut-out. 5GC00WCR Mounting options are purchased separately. Eight sizes to choose from. M6BUW M9BUW 400, 600 and 700 Series LED may be used . 50C00WCR as interior lights also. ............ LED and Super-LED have Five year HDP® ----............ Heavy-Duty Professional warranty. .............. ........... ...............



WHELEN

40C00VCR

60C00VCR

...........

60C00WCR

70C00WCR

Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	Amps	Patterns	Cable	Certifi- cation	Lighthead Size		
60J000CR	600 Series		requires						F, G, H, N	4-1/8" (105mm) H x 1-3/8" (35mm) D x 6-1/2" (165mm) L		
70J000CR	700 Series	halogen with 27 w snap-in bulb	requires vehicle cut-out and			2.5				3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L		
90J000CR	900 Series	buib	mounting							7-1/8" (181mm) H x 1-3/8" (35mm) D x 9-1/8" (232mm) L		
M6BUW	M6 Series		surface			1.6				4-5/16" (109mm) H x 6-3/4" (170mm) W x 1-3/8" (35mm) D		
M9BUW	M9 Series	Super-LED LED	Super-LED	s Super-LED	mount			1.8				6-1/2" (165mm) H x 10-3/8" (263mm) W x 1-3/8" (35mm) D
5GC00WCR	5G Series		includes grommet	w	12	.15	steady	6"		3-3/16" (77mm) H x 1-1/2" (38mm) D x 7-7/16" (189mm) L		
50C00WCR	500 Series		LED	mounting required		.35	otoday	pigtail	N	1-5/8" (41mm) H x 1-3/4" (44mm) D x 5" (127mm) L		
40C00VCR	400 Series						.55				3-3/16" (77mm) H x 2-3/4" (69mm) D x 4-15/16" (124mm) L	
60C00VCR	600 0 mins		LED minimum	may be surface mounted			.35				4-1/8" (105mm) H x 1-3/8" (35mm) D	
60C00WCR	600 Series	LED maximum	optional			0.6				x 6-1/2" (165mm) L		
70C00VCR		LED minimum	mounting available			.35				3-1/16" (78mm) H x 1-1/4" (31mm) D x		
70C00WCR	700 Series	LED maximum	· · · · · ·			0.5				7-1/4" (184mm) L		

			Optio	on Model N	umber					
Ir	ncandescer	nt	Supe	r-LED		LE	D		Options Description	
600	700	900	M6	M9	400	500	600	700	Options Description	
6EFLANGE	7EFLANGE	9EFLANGE	M6FC	M9FC	4EFLANGE	<b>5FLANGEC</b>	6EFLANGE	7EFLANGE	Chrome plated flange	
6FLANGEB	7FLANGEB	9FLANGEB	M6FB	M9FB	4FLANGEB	<b>5FLANGEB</b>	6FLANGEB	7FLANGEB	Black flange	
M6BRUSH	-	-	M6BRUSH	M9BRUSH	-	5BRUSH	-	-	Brush guard	
-	-	-	-	-	-	5FLANGEP	-	-	Polished aluminum flange	
-	-	-	-	-	-	-	-	-	Grommet mount kit	
-	-	-	M6FCV2	-	-	-	-	-	Chrome flange for two lightheads, vertical	
PLAST3V	-	-	M6FCV3	-	-	-	PLAST3V	-	Chrome flange for three lightheads, vertical	
PLAST4V	-	-	M6FCV4	-	-	-	PLAST4V	-	Chrome flange for four lightheads, vertical	
CAST3H	-	-	-	-	-	-	CAST3H	-	Three lighthead cast aluminum housing, horizontal	
CAST3	7CAST3	-	-	-	-	-	CAST3	7CAST3	Three lighthead cast aluminum housing, vertical	
CAST4V	-	-	-	-	-	-	CAST4V	-	Four lighthead cast aluminum housing, vertical	
-	-	-	M6FC600	M9FC900	-	-	-	-	Chrome flange converts to hundred series lighthead	



### **Lightheads - White Illumination**



#### Halogen, Super-LED<sup>®</sup> & LED Interior Lighting

- Halogen model 8635CU has one piece reflector with Chrome flange.
- Halogen model CL25 is surface mount with 2-wire design.
- Super-LED model 86CE1 has 12 diodes and Hi/Low control, and is certified to KKK 1822-F 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<sup>™</sup> available in two levels of intensity.
- Fluorent Plus<sup>™</sup> 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.
- LEDs have Five year HDP® Heavy-Duty
  Professional warranty.



Tech-Lamp Model No. Cable requires 1-5/8" (41mm) recess x 1-11/64" (30mm) protrusion x 6-7/16" (164mm) W x 8-3/16" (208mm) L rectangular dual halogen 3/high 8635CU cut-out, interior dome 14 & 35 watt 1/low includes flange 25 watt 5-7/8" (149mm) Dia x round surface CL25C 2 interior dome halogen 1-7/8" (47mm) protrusion requires 6-7/16"(163mm) H x 1-1/4"(32mm) D x 8-3/16"(208mm) L rectangular 2/high 86CE1 Super-LED cut-out, interior dome .20/low 6" pigtail includes flange 2" round TOCACCCR .025 2" (51mm) Dia. 5mm I FD compartment surface 1-5/8" (41mm) H x 1-3/4" (44mm) D x 500 Series 5SCA0CCR 56 diode LED .300 compartment 5" (127mm) L 20C0CDCR 2G Series surface mount Super-LED 6" pigtail (4" round) requires optional .360 4" (102mm) Dia. includes 12 diode 20C0CDCD compartment mounting Deutsch connector 12 Includes Black 3-3/16" ( 81mm) H x 1-1/2" (38mm) D x 5G Series grommet, 5GC0CCCR Super-LED .525 compartment requires optional 7-7/16" (189mm) L mounting **PSCOCDCR** 6 diode LED 1" (25mm) H x 240 Strip-Lite 1-3/8" (35mm) D x 11-1/2 " (292mm) L compartment **PSCOADCR** 18 diode LED .480 F09PC 5/8" (16mm) H x 9" (228mm) L .06 6" pigtail F18PC .125 5/8" (16mm) H x 18" (457mm) L F27PC surface .16 5/8" (16mm) H x 27" (686mm) L Fluorent Plus F36PC compartment Super-LED .18 5/8" (16mm) H x 36" (914mm) L tube liahtina F45PC .24 5/8" (16mm) H x 45" (114cm) L F54PC .32 5/8" (16mm) H x 54" (137cm) L F63PC .42 5/8" (16mm) H x 63" (160cm) L

	1					
Model No.	Series	Option Description				
TFLANGEC		Surface mount Chrome plated flange kit				
TFLANGEB	2" Round	Surface mount Black flange kit				
TGROM2		Grommet mounting kit				
2GFLANGC		Surface mount Chrome plated flange kit				
2GFLANGB	2G (4" round)	Surface mount Black flange kit				
2GROMMET	(********	Grommet mounting kit				

Model No.	Series	Option Description						
5GFLANGC	5G	Surface mount Chrome plated flange kit						
5GFLANGB	36	Surface mount Black flange kit						
PSBKT451	Strip-Lite	45° stainless steel bracket						



5GFLANGC







5GFLANGB

## Lightheads - White & Color Illumination WHELEN

# Super-LED<sup>®</sup> & LED Round Interior Lighting

- 3" Round Red, Red/White and Blue/White for better nighttime vision and includes independent control of color and White light.
- 6" Round extreme low profile surface mount, is certified for NFPA 1901 and NFPA 1917 primary or alternative spec when properly configured, and available in 24 volt models.
- 700 Series has illuminated switches.
- 8" Round has high lumen output of 1,000/Hi and 80/Low. It simulates natural light at midday for truer flesh tones. Certified to meet KKK-1822F requirements when properly installed.
- LEDs have Five year HDP® Heavy-Duty . Professional warranty.



**3GROMMET** 



Grommet mount

80C0EHCR











8WC00EZR

80CREHCR

Model No.	Lamp Type	Tech- nology	Mount	Housing	Switch	VDC	Amps	Cable	Size
3SC0CDCR		compartment White					.380		
3SR0CDRR	3" Round	nighttime illumination Red	surface optional	rubber gasket			.300		3" (76mm) Dia.
3SBCCDCR	LED	compartment split Blue/White	mounting available	housing			.310		o (romin) bia.
3SRCCDCR		compartment split Red/White					.310		
60C0EHCR		compartment 6 diode, White			-		1.2/high .13/low		
60C0EJCS		compartment 6 diode, White			On/Off		.70/high		6" (152mm) Dia. x 5/8" (16mm) D
60CBEGCS	6" Round Super-LED	compartment 6 Blue diodes & 6 White diodes		-	dual switches for On/Off color and On/ Off and White		.70/White .50/Blue	- 6" pigtail	
60CREGCS		compartment 6 Red diodes & 6 White diodes	surface			12	.70/White .50/Red		
70CREGCS	700 Series	compartment 30 Red diodes & 30 White diodes			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		18 diode, White	4 screws, fits industry standard 8" cutout, no mounting hardware required	Chrome flange					
80C00EZR	8" Round		fits 8" cutout with spring clip		built-in		1.2/high .13/low		0.5(0"(010) Di-
8WC00EZR	Super-LED ambulance light	18 diode, White	mounting, no mounting hardware required	White flange	Hi/Low intensity				8-5/8" (218mm) Dia. x 1" (24mm) D
80CBEHCR		6 White diodes 3 Blue diodes	4 screws	Chrome			1.5/White		
80CREHCR		6 White diodes 3 Red diodes		flange			.50/color		
Model No.		3" Round Options							
3FLANGEC		plated flange, surface m	ount						







3SBCCDCR

3SRCCDCR

side view 60C0EHCR 60C0EJCS





80CBEHCR



**3GROMMET** 

3FLANGEC

## Lightheads - Miscellaneous Lighting



#### Illumination, Marker/Clearance, Tank Light & PAR Replacement Lamps

- OS<sup>™</sup> Series with Chrome housing. 45° angle for illuminating step • surfaces and areas needing angled lighting.
- 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.
- PEL Series has 40° downward projected light for illumination of • vehicle's perimeter.
- PAR Lights are reverse polarity protected, have heavy-duty heatsink, and industry standard brass slotted head connection point.
- LEDs have Five year HDP® Heavy-Duty Professional warranty.



PELCC





OSCOEDCR

**OSROOMCR** 



P46WLC

**OACOEDCR** 

**OSAOOMCR** 

PSTANK



TOAOOMAR

TOROOMRR

P46FLC

P36SLC

Model No.	Lamp Type	Tech- nology	Mount	Color	Housing Color	VDC	Amps	Patterns	Cable	Lighthead Size
0SC0EDCR	0S Series White		surface	w						1" (25mm) H x 1/2" (13mm) D x 1-1/2" (38mm) L
0AC0EDCR	illumination		45° angle surface	vv	Chrome		0.3			1" ( 25mm) H x 7/8" (21mm) D x 1-7/8" (48mm) L
0SA00MCR	0S Series marker		surface	A	Ginome		0.5		6" pigtail	1" (25mm) H x 1/2" (13mm) D
0SR00MCR	or clearance	LED	Surrace	R						x 1-1/2" (38mm) L
T0A00MAR	2" Round marker			Α		12	0.8/max 0.5/avg			2" (51mm) Dia.
T0R00MRR	or clearance		surface	R	-					2 (311111) Dia.
PSTANK	Strip-Lite™ fluid indicator			R,A, B,G			0.45/max	steady		1-3/8" (35mm) H x 11-1/2" (292mm) L
PELCC	PEL Series			W	Chrome		.85		pigtali	
PELCB	downward	1000 lumen	surface		Black					1" (25mm) H x 1-3/8" (35mm) D x
PELCC4	ground	Super-LED® illumination	Surrace	vv	Chrome	24	.37			11-1/2" 292mm) L
PELCB4	lighting				Black	24	.07			
P46SLC		2° Spotlight			Divit		23			5-5/8" (144mm) Dia x 2-11/16" (69mm) D
P46FLC	PAR-46	8° Spotlight	drop-in replacement		Black powder	12				
P46WLC		20° high x 60° wide Floodlight	for outdated halogen spotlight lamps	W	coated die-cast aluminum heatsink		1.9			5-5/8" (144mm) Dia x 1-13/16" (46mm) D
P36SLC	PAR-36	2° Spotlight	ιαπρο		Πσαισπικ	12/24	0.85 @ 12 VDC 0.325 @ 24 VDC			4-1/2" (111mm) Dia. x 2" (51mm) D

Model No.	2" Round Option Description
TGROM2	Rubber grommet mount
TFLANGEC	Surface mount flange, Chrome
TFLANGEB	Surface mount flange, Black





### Lightheads - Scenelights

#### Halogen, LED & Super-LED® Scenelight

- Halogen versions have snap-in bulb.
- 500 Series LED requires mounting option, purchased separately.
- Super-LED surface mounts, and are instant on with no warm-up time.
- 900 Series Super-LED are certified to meet
   KKK 1822-F requirements and AMD 024 Standard.
- LEDs have Five year HDP® Heavy-Duty Professional warranty.





60K000XR



70K000ZR







9SC0ENZR

HELEN

50C000ZR

90E000ZR

M6ZC

6SCOENZR

M7ZC

M9LZC

5FLANGEC

M6FC

7EFLANGE

Model No.	Lamp Type	Tech- nology	Mount	Color	VDC	Amps	Patterns	Cable	Lighthead Size
580CAAZR	508 Series	8-32° halogen	surface			5			5" (127mm) H x 2" (50mm) D x 8" (203mm) L
810CA0ZR	810 Series	0-52 Haloyen	Surface			(27 watt bulb)			8" (203mm) H x 2" (50mm) D x 10" (254mm) L
60K000XR	600 Series	26° halogen							4-1/8" (105mm) H x 3-1/8" (80mm) D
60K000YR	000 361165	13° halogen				2.75			x 6-1/2" (165mm) L
70K000ZR	700 Series	0.20° balagan	recess			(35 watt bulb)			3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L
90E000ZR	900 Series	8-32° halogen				4.75 (50 watt bulb)			7-1/8" (181mm) H x 3-1/8" (80mm) D x 9-1/8" (232mm) L
50C000ZR	500 Series	LED	requires optional mounting			.300		6"	4-1/8" (105mm) H x 6-1/2" (165mm) L
6SCOENZR			surface		12	1	steady	pigtail	
60C0ELZR	600 Series								4-1/8" (105mm) H x 6-1/2" (165mm) L
70C0ELZR	700 Series		recess			2			3-1/16" (78mm) H x 7-1/4" (184mm) L
9SC0ENZR	900 Series	Super-LED	surface, includes Chrome flange			6			7-1/8" (181mm) H x 9-1/8" (232mm) L
M6ZC	M6 Series		ourfood			2			4-5/16" (109mm) H x 6-3/4" (170mm) W x 1-3/8" (35mm) D
M7ZC	M7 Series		surface			2.25/peak .9/avg			3-3/8" (86mm) H x 7-5/8" (194mm) W x 1-3/8" (35mm) D
M9LZC	M9 Series		surface, includes Chrome flange			3			6-1/2" (165mm) H x 10-3/8" (263mm) W x 1-3/8" (35mm) D

	Option Model Number													
Halogen LED Super-LED											Ontiona Description			
508	810	600	700	900	500	M6	M7	M9	600	700	900	Options Description		
508TRIM	810TRIM	6EFLANGE	7EFLANGE	9EFLANGE	5FLANGEC	M6FC	M7FC	M9FC	6EFLANGE	7EFLANGE	90LANGEC	Chrome plated flange		
-	-	6FLANGEB	7FLANGEB	9FLANGEB	5FLANGEB	M6FB	M7FB	M9FB	6FLANGEB	7FLANGEB	90LANGEB	Black flange		
-	-	-	-		5GROMMET	-		-	-	-	-	Grommet mount kit		

508TRIM

**6FLANGEB** 

57

### **Lightheads - Certifications**

Providing the finest, certified lighting for our customers is a priority at Whelen Engineering. As we are constantly upgrading and testing our products, it is impossible to print a document with all of the current information. Many of the lightheads shown in this catalog are certified but do not show that letter key at this time. Our customer service representatives will be happy to answer any questions you have on the current status of any lighthead and provide the proper documentation if needed.

- 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
- 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

NHELEN

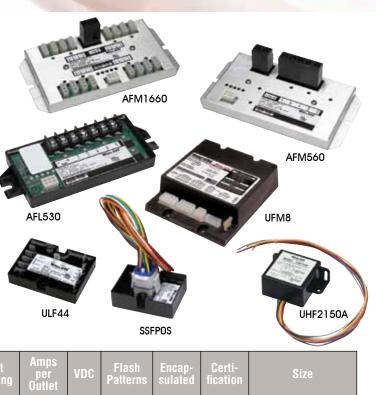
- I ..... FMVSS108 Federal Motor Vehicle Safety Standards
- J..... SAE J586 Stop Lamps for use on Motor Vehicles Less than 80" (2032mm) in Overall width (Sep 95)
- K .... SAE J585 Tail Lamps (Rear position Lamps) for Use on Motor Vehicles Less than 80" (2032mm) in Overall width (Dec 94)
- L..... SAE 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)
- 0 .... 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

### **Flashers**

### WHELEN

#### LED and Halogen Flashers

- 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.



Model No.	Useage	Technology	Solid State	Outlets	Outlet Switching	Amps per Outlet	VDC	Flash Patterns	Encap- sulated	Certi- fication	Size
AFM1660		halogen, LED or Super-LED		16	8x8	5					5/8" (15mm) H x 7-1/4" (184mm) W x 3-13/16" (97mm) D
AFM560	ambulance lightheads		100%	5	2x3	3 @ 25A 2 @ 10A		4	-	KKK-F	5/8" (15mm) H x 7-1/4" (184mm) W x 3-13/16" (97mm) D
AFL530		LED or Super-LED			2X3	3 @ 10A 2 @ 5A					5/8" (15mm) H x 6-1/2" (165mm) W x 2-3/4" (70mm) D
SSFPOS	headlights	positive switching		2			12	7			7/8" (22mm) H x 2" (50mm) W x 2-3/4" (70mm) D
UHF2150A	headlight/ grille light	positive or negative switching headlights		outlets	1x1	12.5		4	yes	_	1-1/2" (38mm) H x 4-1/4" (108mm) W x 3" (76mm) D
ULF44	lightheads	LED	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	lighthead	halogen/LED	100%	4 outlets	2x2x2x2	5		17	-		3/4" (26mm) H x 2-3/4" (70mm) W x 3-1/2" (89mm) D

Model No.	Option Description
LEDLOAD	in-line load resistor kit to interface with OEM turn signal circuit





### **Power Control**



#### Power Control Centers and Switches

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



Model No.	Type and Usage	No. of Switches	Switch type	LED "On" Indicator	Installation	VDC	Size
PCCS9RW	high current 9 position programmable switch box	one 3 position slide switch, 6 programmable momentary	nine 20 Amp outputs		11 fast-on for outputs 4 pos AMP Mate-N-Lok® -for control 2 pos Molex Mini Fit SR® - for power		1-7/8" (47mm) H x 6-1/8" (156mm) W x 6-1/4" (159mm) D
PCCS9NP	low current 9 position programmable switch box	one 3 position slide switch, 6 dip switch programmable	250mA max per outlet		1 nine position and 5 conductor AMP Mate-N- Lok connector to match lightbar cables		2" (50mm) H x 6-1/8" (156mm) W x 3-5/8" (92mm) D
PCC4W		4	25 amp		5 wires power input, 5 wires output		2-1/4" (57mm) H x 3-1/4" (83mm) W x 4" (102mm) D
PCC6W			6-25 amp				
PCC6W1	SPST, lighted switches	6	five 25 amp, one momentary		8 position rear connector block	12	2-1/4" (57mm) H x
PCC10W			25 amp	yes			6-5/8" (1662mm) W x 3-5/8" (92mm) D
PCC10W1		10	nine 25 amp, one momentary				
PCC8R	eight position key pad with remote relay box	8	three 20 amp relays and Five10 amp relays		8 position rear connector block, supplied wiring harness		Relay Box: 1-1/4" (32mm) H x 7-1/4" (184mm) W x 4-3/4" (121mm) D Control head same as WCC9
WCC9	electronic control for Liberty™, Freedom™ and Justice® WeCan Lightbars	6 push-buttons and 1 four position dip switch programmable slide switch for 10 primary functions	six normally open, momentarily closed tactile switches with 3-position slide switch		small diameter, 22 gauge, 2-C cables mates to your WeCan lightbar for easy installation		2-1/2" (64mm) H x 4-3/16" (106mm) W x 7/8" (22mm) D

Model No.	Туре	Usage	No. of Switches	Switch Type	Illuminated
1SWITCH	"L" shaped	for 1 switch			
2SWITCH	aluminum switch bracket only	for 2 switches	optional	_	_
3SWITCH	choose switches	for 3 switches		_	_
4SWITCH	from choices below	for 4 switches			
PC1		On/Off		SPST	yes
PC2	switch only	momentary On		3531	-
PC3	with	On/Off/On	1 each	SPDT	yes
PC4	15 amp contact	On/On		JFDI	
PC5		On/Off/On		DPDT	-



### Siren Systems

#### CenCom Sapphire<sup>™</sup> Remote Light & Siren Control System

- Control warning lights, siren and Traffic Advisor™ functions from a single keypad.
- Integrated WeCan<sup>®</sup> serial port.
- LED indicator lights for simple trouble shooting.
- Easily accessible fuses and connections.
- Heavy-duty power and output connectors.
- Easy program configuration with CenCom Sapphire software, includes ability to configure lightbar.
- Configured programs may be extracted, modified and stored for future use.
- A USB port on Amplifier Control Module provides easy access for programming.
- Each button is individually customizable for different types, ie. press on/press off, momentary, etc.
- Control head backlighting intensity can be adjusted.
- Push-buttons include standard function labels.
- Operates one or two 100 watt siren speakers.
- Meets or exceeds all applicable SAE, California Title XIII and NFPA requirements with various Whelen speakers.
- Five year warranty on amplifier.





WHELEN



CCSRN3

CCSRNTA3 CCSRN3A

CCSRNT3A

WHILEN

Push-buttons light red for easy identification of system components

in use





Standard Microphone CCSRN35 CCSRN35

Model No.	Control Head	Amplifier Control Module	Traffic Advisor	Inputs	Outputs	Amps per Output	VDC	Siren Tones	Micro- phone	Micro- phone Extension	Size
CCSRN3				4 positive or ground activated							
CCSRN3A	3 position slide switch		-	additional 8 positive or negative for 12 total		1 @ 40A 2 @ 20A 4 @ 10 A 4) @ .25 mA 1 @ 10 A dry contact relay			standard built into control head	20' cable included	Siren Amplifier: 3-1/8" (79mm) H x
CCSRNTA3	and 18 push-buttons		includes Traffic	4 positive or ground activated							6-3/4" (171mḿ) D x 8-1/4" (210mm) W
CCSRNT3A			Advisor module	additional 8 positive or negative for 12 total							Rectangular
CCSRN35	hand held with 3 position		-		12			Wail Yelp			Control Heads:
CCSRNT35	progressive push- button switches and 9 push- buttons		includes Traffic Advisor module	4 positive or ground activated			12.5	Piercer Hi/Low Airhorn			3-1/2" (89mm) H x 1-5/16" (33mm) D x 6-7/8" (174mm) W
CCSRN36	3 sections with										
CCSRN3F	8 push-buttons, 3 position slide switch with a 7 position rotary		-	additional 8 positive or negative for 12 total							Hand Held Control Head:
CCSRNT36	knob Manual airhorn plus 3 Traffic		includes Traffic	4 positive or ground activated					standard		5-5/16" (135mm) H x 1-1/8" (29mm) D x 2-3/16" (56mm) W
CCSRNT3F	Advisor switches		Advisor module	additional 8 positive or negative for 12 total							
Model No. Option Description					édédé	сст	DIM				
Model No.         Option Description           CCTRIM         Trim Ring for semi-flush mounting of control head						eccous Déces céces	3	<b>NIN</b>			

### Siren Systems

#### CanTrol<sup>™</sup> WC Light & Siren Integration System

- Program and control all the lighting, Traffic Advisors<sup>™</sup> and siren functions in your vehicle.
- WeCan<sup>®</sup> lightbar plugs directly into the amplifier/control module and is programmed by the CanTrol software.
- Easy to configure using Windows application program.
- Pre-configured programs may be modified and stored.
- 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 lighting, etc.
- All inputs have diagnostic indicator.
- Integrated battery voltage monitor.
- Programmable for Hands-Free operation.
- Built-in system shutdown allows system to operate for up to four hours after vehicle is turned off.
- 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 and NFPA requirements with various Whelen speakers.
- Five year warranty on amplifier.





CANCTL1

NHELEN

CANWC1

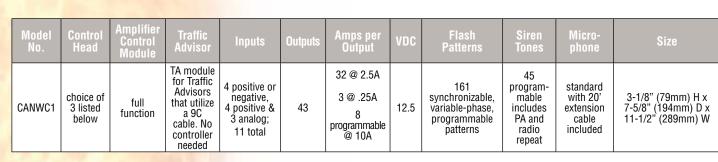


CANCTL6

Push-buttons light red for easy identification of system components in use



Standard Microphone



Model No.	Control Head Options	Size					
CANCTL1	Includes 3-position slide switch, 18 push-buttons, standard microphone with extension cable	3-1/2" (89mm) H x 1-5/16" (33mm) D x 6-7/8" (174mm) W					
CANCTL5	Hand held microphone and controller with 8 progressive push-buttons for light and siren control, and nine push-buttons	5-5/16" (135mm) H x 1-1/8" (29mm) D x 2-3/16" (56mm) W					
CANCTL6	Three section control head with 8 push-buttons, 3-position slide switch and a 7-position rotary knob. Manual, Airhorn plus 3 Traffic Advisor switches and standard microphone with extension cable	3-1/2" (89mm) H x 1-5/16" (33mm) D x 6-7/8" (174mm) W					

Model No.	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	
CANR1#	1 DUO <sup>™</sup> Linear-LED <sup>®</sup> Raider™, 5.5" long, Amber, Blue, Red and/or White	



#### Combination, Hand Held and Self-Contained

- Broadcaster<sup>™</sup> mobile digital voice recorder and playback unit is for use with any emergency vehicle's siren system will allow the radio repeat function to playback a 30 second pre-recorded message and will allow live voice and switchable siren tone functions.
- Economic WSS Series has 4 modes of operation.
- HHS Series is programmable. USB input from PC or laptop makes programming easy. Microphone overrides all siren functions. Meets Class A requirements of SAE, AMECA, KKK1822 and California Title XIII specifications.

EPSL1

- GAMMA2<sup>™</sup> has 2 auxiliary switches and meets SAE Class A with two 100 watt speakers. Meets California Title XIII requirements.
- Epsilon<sup>™</sup> Series is an economical full featured self-contained electronic siren. Meets SAE Class A and California Title XIII.





WHELEN







EPSL2S6



Model No.	Series	Siren Type	Total Current Draw (Amps)	Output Power (Watts)	VDC	Switches	Hands- Free	Siren Tones	Micro- phone	Mount	Size
BRDCSTR	Broad- caster	digital voice recorder	0.10/active 0.01/ standby	-		2 push-buttons for message play and siren select	-	-		bail bracket	1-1/16" (27mm) H x 7" (178mm) D x 5-1/4" (133mm) W
WSSC30	wss	combination remote siren/				requires customer supplied switches	yes, for wail	10 plus Airhorn with override		two way	4-5/16" (110mm) H x
WSSPA30	Series hand h	speaker with hand held microphone	2	30			& Yelp tones	10 plus Airhorn with override and includes PA	yes	L bracket	4-5/8" (118mm) D x 5-1/2" (138mm) W
HHS2200	HHS Series	hand held controller with program- mable siren/light control	8 @ 100w 16 @ 200w	1 or 2 100 watt speakers	12	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		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	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			8 @ 100w	100		7 position rotary switch				bail	2-1/4" (57mm) H x 5-1/2" (139mm) D x 5-7/8" (149 mm) W
EPSL2S6	Epsilon Series	economical self- contained full function	8 @ 100w	8 @ 100w 1 or 2		7 position rotary switch and 6 On/Off toggle	yes, via	9 Scan-Lock programmable	yes	bracket	3-1/4" (83mm) H x
EPSL2S9		with real time Diagnostix™	16 @ 200w	100 watt speakers		7 position rotary switch, 4 position slide switch and 6 On/Off toggle	horn ring	includes PA			5-5/8" (143mm) D x 5-7/8" (149 mm) W

Model No.	Option Description
WSSC30HK	Harness kit for synchronization of two WSSC30 speakers

### WHELEN

#### **295 Series Electronic Sirens**

- All sirens can drive 1 or 2 100 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<sup>®</sup> 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.
- 295SDA1 switches can be programmed to activate any of the 8 momentary switches. Momentary switches can be programmed to be activated as either a push-on/push-off, momentary, flashing, timed output or Traffic Advisor™ control.



295HFS4

Model No.	Siren	Control	Mount	Switches	Current output	VDC	SI TEST	Siren Tones	Certifi- cation	Warranty	Size
295SDA1	Program- mable dual- toned remote amplifier and control head with lights and siren control	2 separate siren amplifiers in one housing	recess or bail bracket for under dash	3 position slide switch, 8 programmable push-buttons, radio repeat button, and 6 siren control push-buttons			-	20 Scan- Lock™ includes radio repeat and PA	J1849	2	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
295SLSA1	self- contained	selectable	mounting	7 position tone rotary knob with volume control knob		12		17 Scan- Lock			2-1/2" (64mm) H x 6" (152mm) D x 5-1/2" (140mm) W
295HFS2	control head	watt		7 position tone	high current		yes		KKK 1822F		Control Head: 2-7/8" (73mm) H x 2-3/4" (60mm) D x 6-1/4" (159mm) W
295HFS2X	with remote amplifier	selectable 100 or 200 watt with dual amplifiers	flush mount	rotary knob				4	meets California Title XIII	5 year HDP® Heavy-Duty Professional	Amplifier: ´ 2-3/8" (60mm) H x 7" (178mm) D x6" (152mm) W
295HFS3	compact size control head with remote amplifier	selectable 100 or 200 watt	recess or bail bracket	7 position tone rotary knob with manual tone button					ККК		Control Head: 2" (51mm) H x 2-3/8" (60mm) D x 6" (152mm) W Amplifier: 2-3/8" (60mm) H x 7" (178mm) D x 6" (152mm) W
295HFS4	lights & siren control head with remote amplifier	9 switch light control, six function siren	for under dash mounting	4 position slide switch for 3 primary warning and 5 push- button switches for secondary warning plus 1 momentary switch	low current				1822F		Control Head: 3-3/8" (86mm) H x 2-3/8" (60mm) D x 6" (152mm) W Amplifier: 2-3/8" (60mm) H x 7" (178mm) D x 6" (152mm) W

Model No.	Option Description
295HFSDA	Second amplifier kit for dual siren amplifier use for 295HFS2, 295HFS3 and 295HFS4

#### WHELEN

#### **295 Series Electronic Sirens**

- All sirens can drive 1 or 2 100 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.

WPKM1

- Models available with SI-TEST<sup>®</sup> 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.





295HFSC9



295HFSA7



Model No.	Siren	Control	Mount	Switches	Current output	VDC	SI TEST	Siren Tones	Certifi- cation	Warranty	Size
295HFSA5	single self-	9 switch light control, 6 function siren, selectable 100 or 200 watt	recess or	4 position slide switch for 3 primary warning and 5 push- button switches for secondary warning plus 1 momentary switch	low current			4			3-5/16" (84mm) H x 8-3/8" (213mm) D x 6" (152mm) W
295SLSA6	contained unit with lights and siren control	9 individually program- mable 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	- 12	yes	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	flush mount	3 position rocker switch, 7 position tone rotary knob, volume control knob, manual and sichorn buttons				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	speakers		airhorn buttons	low current			and PA			2-1/4" (57mm) H x 7" (177mm) D x 6" (152mm) W
295SL100	economical	supports 100	recess or bail bracket for under dash	7 position tone rotary knob with manual tone button	cuntil			19 Scan- Lock	meets California		2-1/2" (64mm) H x
295SL101	self- contained unit	or 200 watt speakers	mounting	7 position tone rotary knob with manual tone button and volume control knob			-	includes radio repeat and PA	Title XIII and SAE J1849	2	6" (152mm) D x 5-1/2" (140mm) W
Model No. Option Description											

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

### WHELEN

BETA2BKT



				ALPHA5
Model No.	Series	Option Description	ALPHA4	
ALPHA1		Single rocker On/Off switch for use with Hands-Free operation		
ALPHA2	Alpha	Single On/Off Hands-Free activation plus momentary for airhorn	ALPHA2	ALPHA3
ALPHA3	Series	Tone 1/Off/Tone 2 switch operation plus momentary switch for airhorn		
ALPHA4	Switches	Three switch operation, one On/Off, one Tone 1/Hands-Free/Tone 2 plus momentary for airhorn	ALPHA1	r
ALPHA5		Three position toggle switch, controls 3 siren tones and other warning lights or device		
BETA2BKT	Beta Series	Flange mounting bracket for BETA2	0	6
BETAMIC	Deta Series	Remote microphone for BETA112R (requires customer supplied switches)	1-0-L	
PAPEXT15	PA Series	15' Microphone extension cable for PAP112 only	1. Sec. 1	

### Siren Speakers

#### WHELEN

#### 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<sup>™</sup> ambulance speakers are left or right side mounted.



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SA315P





SA340TS



SA314A

14B



SA31101P/D

SA340STS

Model No.	Series	Speaker Type	Output Power watts	VDC	Housing	Mount	Size	
HOWLER	Howler™	low frequency reverberating add-on to existing warning system with 8 selectable tone durations	200		speaker: Black nylon composite amplifier: aluminum		Speaker: 7-1/4" (184mm) Dia. x 8-3/8" (213mm) D Amplifier: 2-1/4" (54mm) H x 4-3/4" (120mm) D x 5" (127mm) W	
SA315P					Black nylon composite	vehicle specific consult current	6-1/2" (165mm) H x 2-7/8" (74mm) D x 6-7/16" (163mm) W	
SA314A					natural cast aluminum	price list	6-3/16" (256mm) H x	
SA314B	Projector™ Series	high performance multi-port		12	Black epoxy coated cast aluminum		3-1/2" (80mm) D x 6-7/16" (163mm) W	
SA122FMP			100		polished aluminum finish	includes mounting flange for flush mount	7-7/16" (189mm) H x 5-3/16" (132mm) D x 7-7/16" (189mm) W	
SA31I01P	UnderPro	ambulance speaker passenger side				International 4300,4400 chassis 2001-2013	vehicle specific	
SA31I01D		ambulance speaker driver side			nylon composite	mounts to existing holes under bumper		
SA340TS	Rectangular	high efficiency speaker horn				includes base	5" (127mm) H x 7" (178mm) D x 8" (203mm) W	
SA340STS	Round	for underhood and bumper mounting			Black cast aluminum	mounting flange	5-5/8" (143mm) H x 6-13/16" (173mm) D x 5-5/8" (143mm) W	

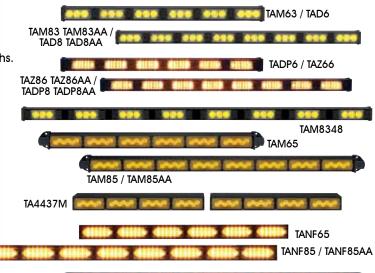
Model No.	Series	Option Description	
SAK1	SA315P	Universal "L" bracket	100
SAK9	SASISP	Universal/envival bail type mount brocket	
SABKT9	SA314	Universal/swivel bail type mount bracket	SAKT

### Traffic Advisors<sup>™</sup>

### WHELEN

#### Super-LED<sup>®</sup> Straight Style

- 15' cable standard, contact factory for additional lengths.
- Black, extruded aluminum housing.
- LEDs rated for 100,000 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.
- Five year HDP® Heavy-Duty Professional warranty.



TACF85 / TACF85AA

Model No.	Tech- nology	No.of Modules	End Flasher	Mount	Control Head	VDC	Housing	Encap- sulated	Size H x D	Length
TAM63		6								23" (58cm)
TAM83	TIR3™		-		TACTLD1					30-7/8" (78cm)
TAM83**	TINO	8	yes	-	included		extreme low			30-776 (76cm)
TAM8348										48" (122cm)
TAD6	- TIR3	6	-							23" (58cm)
TAD8	Dominator™     8       Description     6       LINZ6™     6       Dominator     8       Plus™ Series     8	8			requires optional					30-7/8" (78cm)
TAD8**		Series o		surface mount/ slide bolt	TADCTL1 or		profile		1-3/4" (44mm) H x 2-3/16" (55mm) D	30-776 (76cm)
TADP6		6	_		customer	12	one piece	yes		23" (58cm)
TADP8		8			supplied switches					30-7/8" (78cm)
TADP8**		0	yes	-						
TAZ66		6	_							23" (58cm)
TAZ86	LINZ6	8								30-7/8" (78cm)
TAZ86**			yes							
TAM65	-	6	_	surface mount /			low profile flat		0.7/01/(70.000)	36" (91cm)
TAM85	500 Series			thru-bolt endcaps			style one piece		2-7/8" (73mm) H x 2-1/4" (57mm) D	46-7/8" (119cm)
TAM85**	TIR6™	8	yes	enucaps	TACTLD1		•			, , ,
TA4437M					included		rectangular split 2 piece		2-1/2" (64mm) H x 4-7/16" (113mm) D	22-3/4" (58cm) each piece
TANF65		6	-							34" (86cm)
TANF85	500 Series Linear-LED®			surface mount/			front load			45-1/8" (115cm)
TANF85**		8	yes	slide bolt			rectangular		2-3/8" (60mm) H x 2-3/8" (60mm) D	4J-1/0 (11JUII)
TACF85	CON3™	o	-				one piece			45-1/8" (115cm)
TACF85**	front load		yes							40°1/0 (110011)

Model No.	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			

Model No.	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



### Traffic Advisors<sup>™</sup>

# DUO<sup>™</sup> Super-LED<sup>®</sup>, LED and Halogen Straight Style

- 15' cable standard, (extra length cables available).
- Black, extruded aluminum housing.
- Halogen has 20 watt snap-in style bulbs.
- Includes control head.
- Four operating modes; left, right, split & flashing.
- Rear dip switch provides 8 flash pattern choices.
- Interior or exterior applications.
- TA870 Series models for large vehicles.
- Five year HDP<sup>®</sup> Heavy-Duty Professional warranty.
- Halogen has two year warranty. (excludes bulbs)

#### TADF6 TADF8 TADF8 TALS5 TALS5 TALS5 TALS5 TAS37A TAS37A TAS37A

WHELEN

Model No.	Tech- nology	No.of Modules	Mount	Control Head	VDC	Housing	Encap- sulated	Size H x D	Length
TADF6	DUO color	6	surface mount/	no control head required		rectangular		2-3/8" (60mm) H x	37" (94cm)
TADF8		8	slide bolt		front load	-	2-3/8"`(60mḿ) D	45-1/8" (114cm)	
TAL65	500 Series		surface thru-bolt or	thru-bolt or		low profile	yes	2-7/8" (73mm) H x	36" (91cm)
TAL85	5mm LED 8	integral fasteners on back	TACTLD1		flat style one piece	yes	2-1/4" (57mm)D	46-7/8" (119cm)	
TA637A	6		12	TACTRL1A 12	12	rectangular one piece	-	2-1/2" (64mm) H x 4-7/16" (113mm) D	33" (84cm)
TA837A	500 Series halogen	500 Series halogen	swivel foot						44" (112cm)
TA870A	700 Series halogen 8	halogen 8 slide bolt		large		3-3/4" (95mm) H	6' (183cm)		
TA870L			es slide bolt TACTLD1		rectangular one piece	yes	x 3-1/2"" (89mm) D	7' (213cm) or 8' (244cm) available	

TA870L

Model No.	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 with remote flash 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

Model No.	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

Model No.	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

### For All You Do.....































### Thank You.



































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