

AMBER - PROFESSIONAL

WHELEN®



Officially Licensed
Warning Lights
of NASCAR®

WHELEN®

All lenses and domes
are Hard-Coated to resist
salt or chemical damage
and UV degradation!

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WHAT'S **NEW!!** IN THIS CATALOG



SmartLED® refers to LED warning products that are self-contained and do not need an external flasher.



Gold Medallion
2 year warranty



Heavy-Duty
Products
5 year warranty



Look for the
"Made to Order"
logo on products that
are built to your
specifications.



Pioneer SlimLine Recessed flanges
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R316 & R416 Series Rotating **Super-LED®** Beacons



R416

R316

Available Colors

Features:

- SAE Class 1 Certified.
- Medium profile, smooth polycarbonate outer dome, universal application.
- 100% Solid-state, no moving parts, no motors to wear out or malfunction.
- Conformal coated electronics for moisture and vibration resistance.
- Cruise light feature.
- Permanent mount models supplied with six input pigtails.
- Magnetic and magnetic/suction mount models supplied with 10' straight cord and cigar plug with LED indicator On/Off switch plus pattern control switch.
- Synchronizable with up to eight other Whelen Synchronous products.

Warranty:

- LED = 5 year

Models

Replace asterisk in model number with desired color. A = Amber, B = Blue, C = White, R = Red.

	Model No.	Mount	LED Color	Dome Color	Base	Amps	FPM	VDC
NEW!! NEW!! NEW!! NEW!! NEW!! NEW!! NEW!! NEW!! NEW!! NEW!! NEW!! NEW!!	R316*F	permanent	single	color	powder coated cast aluminum	2-1/4 amps at 12 VDC	32 Scan-Lock™ with varying rotating flash rates Includes cruise light	12
	R316*M	magnetic						
	R316*V	magnetic/suction						
	R316**F	permanent	split color front/rear	color				
	R316**M	magnetic						
	R316**V	magnetic/suction						
	R416*F	permanent	single	color				
	R416*M	magnetic						
	R416*V	magnetic/suction						
	R416**F	permanent	split color front/rear	Clear				
	R416**M	magnetic						
	R416**V	magnetic/suction						

Options

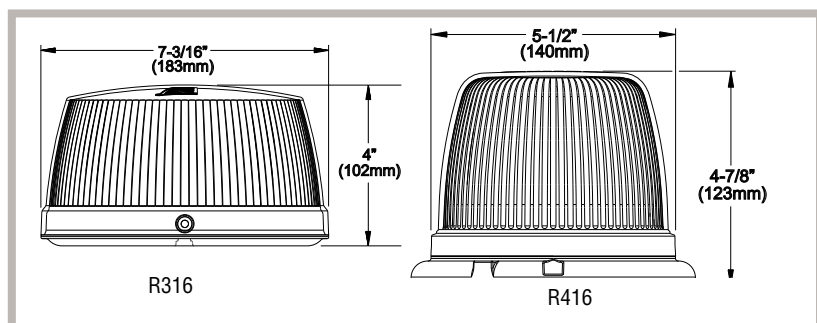
Model No.	Description
BBKT20	stainless steel shelf mount bracket
MIRROR20	stainless steel West Coast mirror mount bracket
RPHOTO	photocell for Hi/Low power
L360BGB	branch guard kit for R316
L40BG	branch guard kit for R416

Replacement Parts

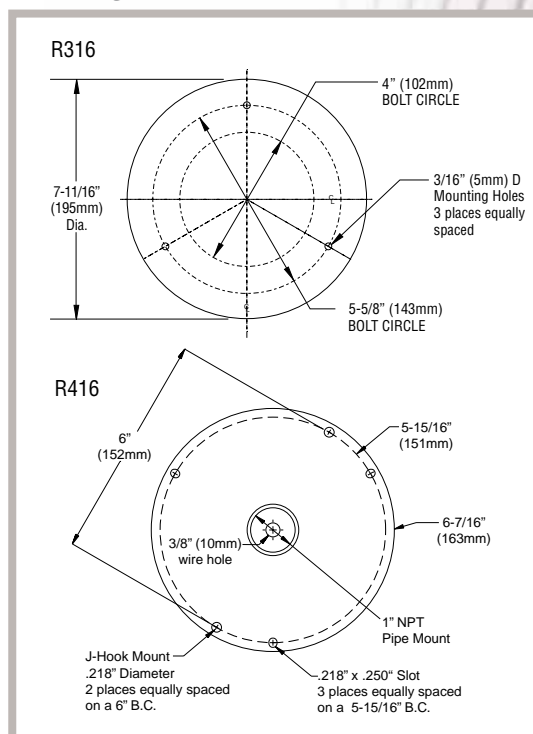
Model No.	Dome
R316	68-2984063-*0
R416	68-2986501-*0

* Use 1 for Amber, 3 for Clear

Dimensions



Mounting



L31 & L32 Series Super-LED® Beacons

Features:

- **SAE Class 1 Certified (Amber).**
- **L31 is certified to meet California Title XIII, Table 4 requirements.**
- **Heavy-duty powder coated die-cast base.**
- **Encapsulated electronics for moisture and vibration resistance.**
- **Alternately or simultaneously flash multiple patterns (Cross-Link™) with up to 8 Whelen Super-LED 360° beacons (perm mount).**
- **Includes 4 simulated rotating patterns and cruise light (perm mount).**

Warranty:

- **LED = 5 year**



L31HAF



L32LAF

Available Colors

Models

Replace asterisk in model number with desired color. A = Amber, C = Clear

Model No.	Mount	Profile	Base	Amps	FPM	VDC	Control
L31H*F	permanent	high	die cast aluminum	2 / average 5 / peak	permanent mount 30 built-in Scan-Lock™ flash patterns plus 4 simulated rotating patterns	12	Hi/Low control
L31H*M	magnetic						-
L31H*V	magnetic/suction					24	Hi/Low control
L31HAF4	permanent					12	-
L32L*F	permanent	low	die cast aluminum	1 / average 2.5 / peak	magnetic mount 75 SignalAlert™ only	12	-
L32L*M	magnetic						-
L32L*V	magnetic/suction					24	Hi/Low control
L32LAF4	permanent					12	Hi/Low control

Options

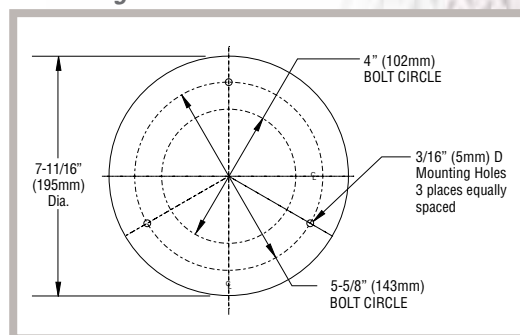
Model No.	Description
L360PMKT	1" NPT pipe mount kit for L31/L32
L360BGB	branch guard kit for L31/L32 allows 1" NPT pole mounting
MIRROR20	West Coast mirror mount brackets
BBKT30	stainless steel shelf mount bracket mounts to flat vertical surface

Replacement Parts

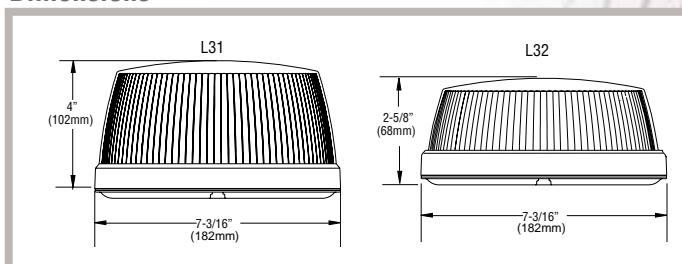
Dome
68-2984063-*0 (high)
68-2984099-*0 (low)

* Use 1 for Amber, 3 for Clear

Mounting



Dimensions


BBKT30
flat vertical
surface
mounting
bracket

MIRROR20
mirror
mount
brackets

L41 Series Super-LED® Beacons

Features:

- **L41 is SAE Class 1 Certified (Amber).**
- **Meets FAA Advisory Circular No. AC 150/5210-5D.**
- **Medium profile, smooth polycarbonate outer dome, universal application.**
- **Encapsulated electronics for moisture and vibration resistance.**
- **Zero EMI radiation.**
- **50,000 hour rated life.**
- **Permanent mount model allows for permanent flat mount, J-Hook mount, or 1" NPT pipe mounting.**
- **Permanent mount supplied with five wire, 6" pigtail (Hi/Low, Scan-Lock™ and sync wire).**
- **Magnetic and magnetic/suction mount models supplied with 10' straight cord and cigar plug with LED indicator On/Off switch plus pattern control switch.**

Warranty:

- **LED = 5 year**



L41AP

Available Colors

Models

Replace asterisk in model number with desired color. A = Amber, C = Clear

Model No.	Mount	Base	Amps	FPM	VDC	Control
L41*P	permanent	cast aluminum powder coated	1.5 peak/0.6 avg. 12 V	75 SignalAlert™ default 25 total selectable including steady-burn	12/24	photocell Hi/Low on permanent mount only contact factory
L41*M	magnetic		.75 peak/0.3 avg. 24V			
L41*V	magnetic/suction					

Options

Model No.	Description
BBKT20	stainless steel shelf mount bracket mounts to flat vertical surface
MIRROR20	West Coast mirror mount brackets
L40BG	branch guard

NEW!

Replacement Part

Dome
68-2986501-0

* Use 1 for Amber, 3 for Clear

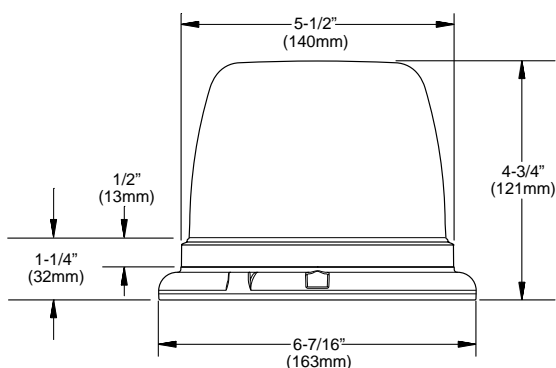


MIRROR20
West coast mirror mount brackets directly on existing mirror brackets.

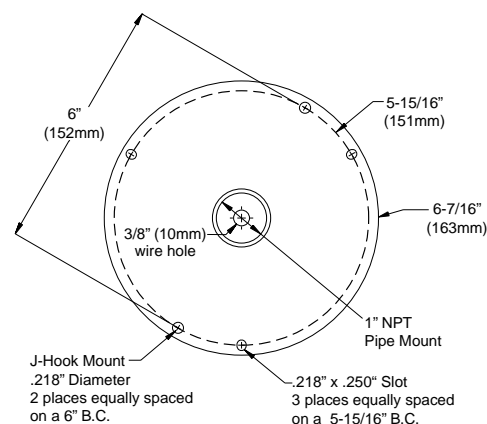


L40BG Branch guard.

Dimensions



Mounting



L10 Series Super-LED® Beacons



Features:

- **SAE Class 1 Certified (Amber).**
- **Economical LED amber beacons.**
- **Eighteen total flash patterns including steady-burn.**
- **High and low domes.**
- **Permanent, magnetic and magnetic/suction mounts.**
- **Virtually no EMI radiation.**
- **NEW! DUO™ models of Amber/White or Amber/Blue with individual control of colors.**
- **DUO technology model has different color LEDs in the same module allowing beacon to flash different colors.**

Warranty:

- **LED = 5 year**





Available Colors

Models

Replace asterisk in model number with desired color. A=Amber, C=White

Replace # in model number with desired DUO color. F=Amber/White, M=Amber/Blue

	Model No.	Mount	Profile	Base	Amps	FPM	VDC	Color	Class
 	L10H#P	permanent/pipe/hook	high	polycarbonate	1.0 / peak 0.4/ avg.	24 Scan-Lock™ flash patterns and synchronize feature	12	DUO	Class 1
	L10L#P		low						
	L10H*P		high			75 SignalAlert™ default pattern	24	Amber	
	L10H*P4							for other colors, contact factory	
	L10H*M	magnetic					12	for other colors, contact factory	
	L10H*V	magnetic/suction							
	L10L*P	permanent/pipe/hook	low			18 flash patterns available	24	Amber	
	L10L*P4								
	L10L*M						magnetic	12	
	L10L*V						magnetic/suction		

Options

Model No.	Description
MIRROR20	West Coast mirror mount bracket
BGH	branch guard, high dome
BGL	branch guard, low dome
BBKT20	stainless steel shelf mount bracket, mounts to flat vertical surface
MMK	90 lb. pull magnetic mount kit with 8' straight cord and plug
LSK	single lighted switch (15 amp rated), mounted on bracket, wired and fused



MIRROR20 West coast mirror mount brackets mount directly on existing mirror brackets.



BGH branch guard

Replacement Parts

Model No.	Dome
DH2000*	high dome
DL2000*	low dome

*Use A for Amber, C for Clear



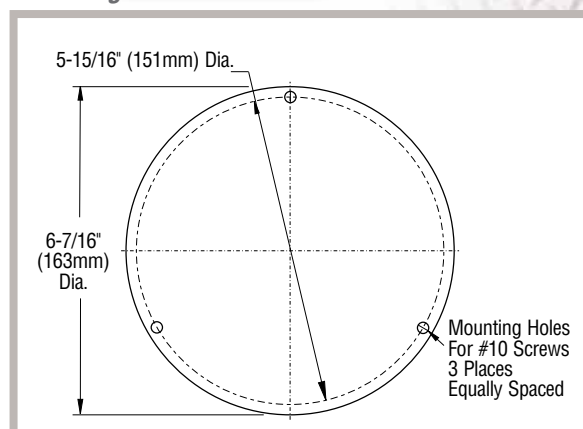
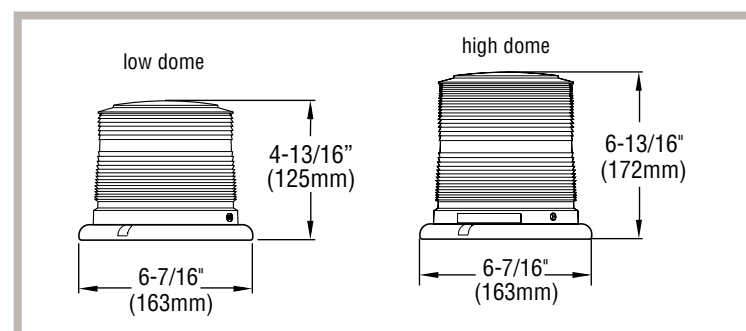
MMK magnetic mount kit



LSK lighted switch

Mounting

Dimensions



L21 & L22 Series Encapsulated Super-LED® Beacons

Features:

- Combination mounting: permanent, pipe (1"NPT) and J-hook supplied with 6" pigtail.
- Virtually no EMI radiation.
- Combination mount available with photocell Hi/Low, contact factory.
- 25 built-in Scan-Lock™ flash patterns plus SignalAlert™ default pattern.

Rated for thousands of hours!

L21

- SAE Class 1 Certified (Amber).
- Magnetic mounts supplied with 10' straight cord and cigar plug with LED indicator On/Off switch plus pattern control switch.

L22

- SAE Class 2 Certified (Amber).
- Magnetic mounts supplied with 10' straight cord and cigar plug with LED indicator On/Off switch.

Warranty:

- LED = 5 year

Models

Replace asterisk in model number with desired color.
A=Amber, B=Blue, C=White, G=Green, R=Red

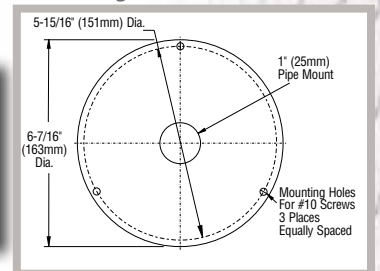
Model No.	Mount	Profile	Base	Amps	FPM	SYNC.	VDC	Colors	SAE
L21H*P	combination	high	poly-carbonate	1.5 / peak 0.60 / average 12 VDC	25 Scan-Lock patterns including steady-burn	yes	12	Amber & White	J845 Class 1 360° (Amber)
L21H*M	magnetic					-			
L21H*V	magnetic/suction					yes	24		
L21H*P4	combination					-	12		
L21L*P	combination	low		0.75 / peak 0.30 / average 24 VDC		yes	24		
L21L*M	magnetic					-	12		
L21L*V	magnetic/suction					yes	24		
L21L*P4	combination					yes	24		
L22H*P	combination	high	poly-carbonate	0.65 / peak 0.26 / average 12 VDC	25 Scan-Lock patterns including steady-burn	yes	12	all 5 safety	J845 Class 2 360° (Amber)
L22H*M	magnetic					-			
L22H*V	magnetic/suction					yes	24		
L22H*P4	combination					-	12		
L22L*P	combination	low		0.32 / peak 0.13 / average 24 VDC		yes	24		
L22L*M	magnetic					-	12		
L22L*V	magnetic/suction					yes	24		
L22L*P4	combination					yes	24		

Options

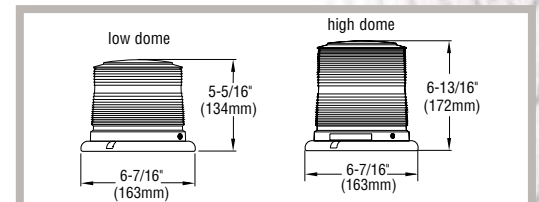
Model No.	Description
BBKT20	stainless steel shelf mount bracket mounts to flat vertical surface
MIRROR20	West Coast mirror mount brackets
MMK	magnetic kit with 8' cord & plug
BGH	branch guard, high dome
BGL	branch guard, low dome
LSK	lighted switch kit mounted on bracket, wired & fused



Mounting



Dimensions



Replacement Parts

Dome
DH2000* (High)
DL2000* (Low)

*Use A for Amber, C for Clear



BBKT20 flat vertical surface mounting bracket



MIRROR20 West Coast mirror mount brackets, mount directly on existing mirror brackets.

Available Colors

L50 Series Super-LED® Beacons

Features:

- **SAE Class 1 Certified (L51 Series).**
- **SAE Class 3 Certified (L53 Series).**
- **Super-LEDs are rated for 100,000 hours of operation.**
- **Twist-off polycarbonate dome.**
- **Full reverse polarity protection.**
- **Permanent mount supplied with 6" pigtail.**
- **Magnetic mount has 8' straight cord with cigar plug with LED indicator On/Off switch and pattern control switch.**

Warranty:

- **LED = 5 year**



Available Colors - L51

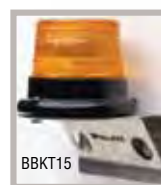
Models

Replace asterisk in model number with desired color. A = Amber, C = White

Model No.	Mount	Base	Amps	VDC	FPM	Encap- sulated	Colors	SAE
L51*P	permanent	polycarbonate	1.5 / peak 0.6 / avg	12	15 Scan-Lock™	yes	Amber & White	Class 1
L51*M	magnetic							
L53AP	permanent		0.4 / peak 0.16 / avg		75 SignalAlert only	-	Amber only	Class 3 (Amber)
L53AM	magnetic							

Options

Model No.	Description
MIRROR15	West Coast mirror mount bracket
BBKT15	stainless steel shelf mount bracket mounts to flat vertical surface

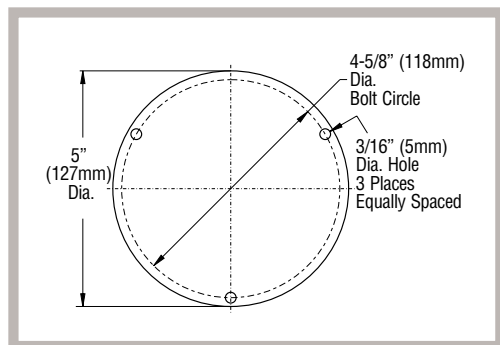


Replacement Part

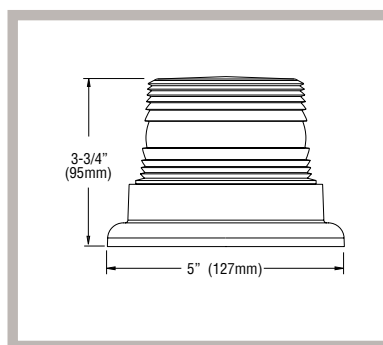
Dome
D1500*

* Use 1 for Amber, 3 for Clear

Mounting



Dimensions



2015 Series Strobe Beacons

Features:

- **SAE Class 2 Certified (all colors).**
- **Reverse polarity protection.**
- **Fully enclosed base protects against moisture and vibration.**
- **Silicone coated power supplies provide protection against the elements.**
- **Easy access for modular parts replacement.**
- **Magnetic mounts supplied with 8' cord and cigar plug.**
- **Magnetic mounts have 3 built-in available flash patterns.**

Warranty:

- **Power supply = 2 year**
- **Flash tube = 6 months**



2015LPA

2015HPA

Available Colors

Models

Replace asterisk in model number with desired color. A = Amber, C = White, R = Red, B = Blue, G = Green

Model No.	Mount	Profile	Base	Watts	Joules	FPM	VDC	Other
2015LP*	perm/pipe	low	polycarbonate	22 input	13	4 Scan-Lock patterns	12/24	manual Hi/Low control
2015LP*M	magnetic					72 QuintFlash™ default; DoubleFlash, RapidRandom™ & ActionFlash™ also built-in		
2015LP*V	magnetic/suction					4 Scan-Lock patterns		
2015HP*	perm/pipe	high		15 output		72 QuintFlash™ default; DoubleFlash, RapidRandom™ & ActionFlash™ also built-in		
2015HP*M	magnetic					4 Scan-Lock patterns		
2015HP*V	magnetic/suction					72 QuintFlash™ default; DoubleFlash, RapidRandom™ & ActionFlash™ also built-in		

Options

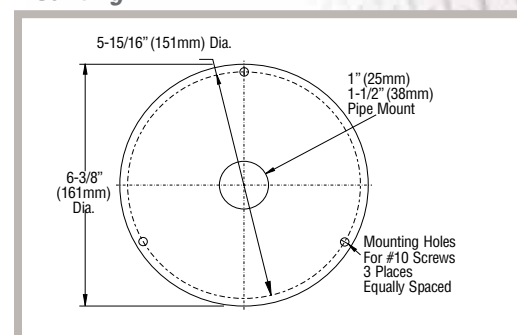
Model No.	Description
MMK	magnetic kit with 8' cord & plug
DCH	dust cover (high dome only)
BGL	branch guard, low dome
BGH	branch guard, high dome
LSK	lighted switch kit
MIRROR20	West Coast mirror mount bracket
BBKT20	stainless steel shelf mount bracket mounts to flat vertical surface
FT10A	3-Pin "U" strobe tube, plug-in, each

Replacement Parts

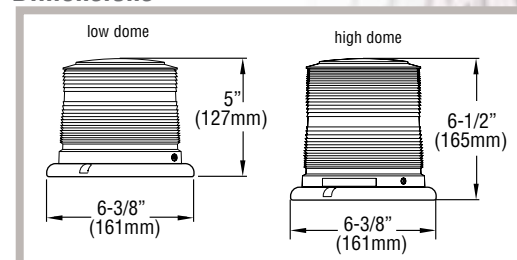
Dome	Flash Tube
DH2000* (high)	FT10A
DL2000* (low)	

*Use A for Amber, C for Clear, R for Red, B for Blue, G for Green

Mounting



Dimensions



MIRROR20 West Coast mirror mount brackets, mount directly on existing mirror brackets.



BBKT20 flat vertical surface mounting bracket

Ready to switch to LED? See Pages 6 & 7!

2022 Series Strobe Beacons

Features:

- **SAE Class 1 Certified (Amber & Clear).**
- **Reverse polarity protection.**
- **Fully enclosed base protects against moisture and vibration.**
- **Silicone coated power supplies provide protection against the elements.**
- **Easy access for modular parts replacement.**
- **Magnetic mounts supplied with 8' cord and cigar plug.**
- **Magnetic mounts have 3 built-in available flash patterns.**

Warranty:

- **Power supply = 2 year**
- **Flash tube = 6 months**



2022LPA

2022HPA

Available Colors

Models

Replace asterisk in model number with desired color. A = Amber, C = White, R = Red, B = Blue, G = Green

Model No.	Mount	Profile	Base	Watts	Joules	FPM	VDC	Control
2022LP*	perm/pipe	low	polycarbonate	32 input	19	4 Scan-Lock patterns	12/24	manual Hi/Low control
2022LP*M	magnetic					72 QuintFlash™ default; DoubleFlash, RapidRandom™ & ActionFlash™ also built-in		
2022LP*V	magnetic/suction					4 Scan-Lock patterns		
2022HP*	perm/pipe	high		22 output		72 QuintFlash™ default; DoubleFlash, RapidRandom™ & ActionFlash™ also built-in		
2022HP*M	magnetic					4 Scan-Lock patterns		
2022HP*V	magnetic/suction					72 QuintFlash™ default; DoubleFlash, RapidRandom™ & ActionFlash™ also built-in		
2022AP*	perm/pipe					4 Scan-Lock patterns		auto Hi/Low control

Options

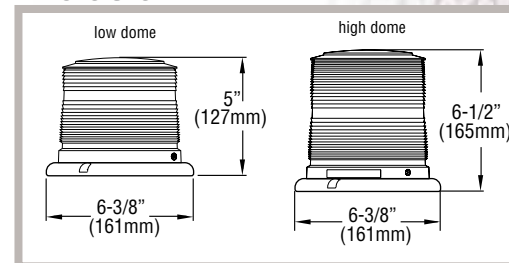
Model No.	Description
MMK	magnetic kit with 8' cord & plug
DCH	dust cover (high dome only)
BGL	branch guard, low dome
BGH	branch guard, high dome
LSK	lighted switch kit
MIRROR20	West Coast mirror mount bracket
BBKT20	stainless steel shelf mount bracket mounts to flat vertical surface
FT20A	3-Pin Helix 1-1/2 turn strobe tube, plug-in, each

Replacement Parts

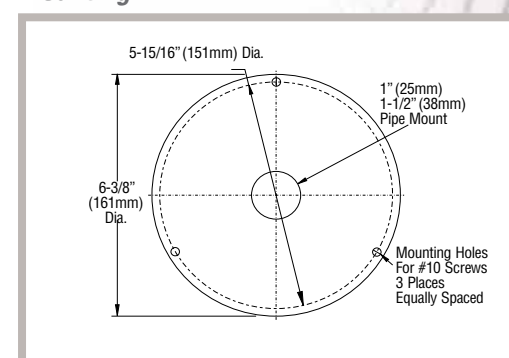
Dome	Flash Tube
DH2000* (high)	FT20A
DL2000* (low)	

*Use A for Amber, C for Clear, R for Red, B for Blue, G for Green

Dimensions



Mounting


MIRROR20
West Coast mirror mount
brackets,
mount directly
on existing
mirror
brackets.

BBKT20
flat
vertical
surface
mounting
bracket

Ready to switch to LED? See Pages 6 & 7!

800D & 1200D Series HDP® Strobe Beacons

Features:

- **SAE Class 1 Certified (Amber & Clear).**
- **80 CometFlash® per minute, standard, multiple flash patterns available.**
- **Combination mounting: permanent/pipe mount or spade bolt mount.**
- **High-gain, self-cleaning, aerodynamic high profile dome.**
- **Low profile double fresnel optic dome.**
- **Magnetic mount supplied with 8' cord and cigar plug.**

Warranty: HDP® Heavy-Duty Professional

- **Power supply = 5 year**
- **Flash tube = 2 year**



Available Colors



Models

Replace asterisk in model number with desired color. A = Amber, C = White

Model No.	Model	Mount	Profile	Base	Watts	Joules	FPM	VDC	Control
800DL*P	800D	perm/pipe	low	cast aluminum	36 input	19	80 CometFlash multiple flash patterns available on perm mount only	12/24	manual Hi/Low control
800DL*M		magnetic							
800DH*P		perm/pipe	high						
1200DH*P	1200D	perm/pipe	high/ high riser base						

Options

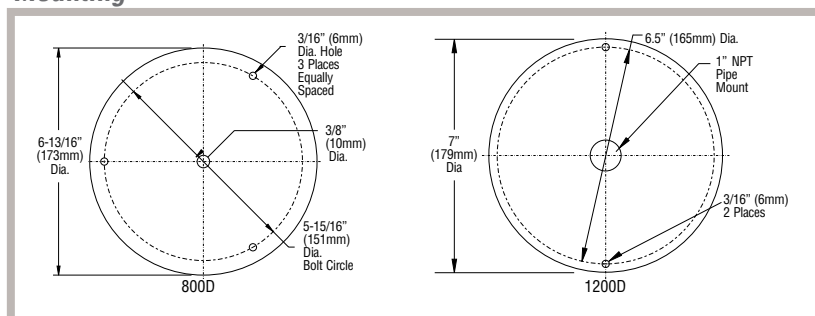
Model No.	Description
MMK	magnetic kit with 8' cord & plug
BGL	branch guard, low dome (800D only)
800BGH	branch guard, high dome (800D only)

Replacement Parts

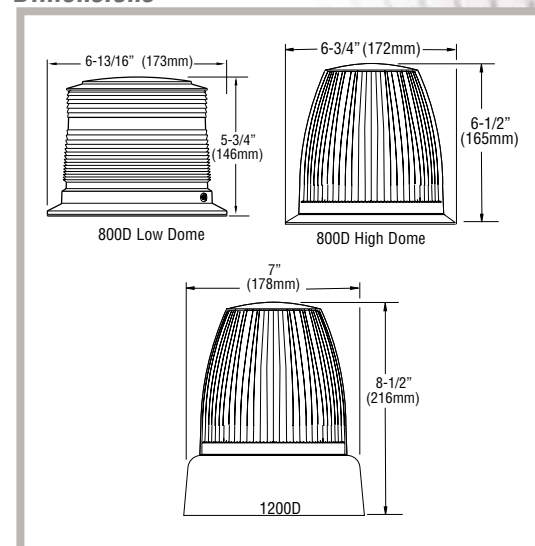
Dome	Flash Tube
HGDOMEH* (high)	80DTUBE
DL2000* (low) 800 only	

*Use A for Amber, C for Clear

Mounting



Dimensions



Ready to switch to LED? See Pages 3-8!

S360D Super Strobe® Series HDP® Strobe Beacons

Features:

- **SAE Class 1 and California Title XIII Certified (Amber & Clear).**
- **80 CometFlash® per minute, standard, multiple flash patterns available.**
- **Combination mounting: permanent/pipe mount or spade bolt mount.**
- **Features CROSS-LINK® Strobe Synchronization. Up to four S360 beacons can be connected to work as one system and configured to flash in an alternating or simultaneous pattern.**
- **Self-cleaning, smooth outer surface resists dirt build-up.**

Warranty: HDP® Heavy-Duty Professional

- **Power supply = 5 year**
- **Flash tube = 2 year**



S360DAB



S360DAP



Available Colors

Models

Replace asterisk in model number with desired color. A = Amber, C = White

Model No.	Mount	Base	Watts	Joules	FPM	VDC	Control
S360D*P	perm/pipe	cast aluminum	43 input	24	80 CometFlash	12/24	Hi/Low control
S360D*B	branch guard		30 output		multiple flash patterns available on perm mount only		

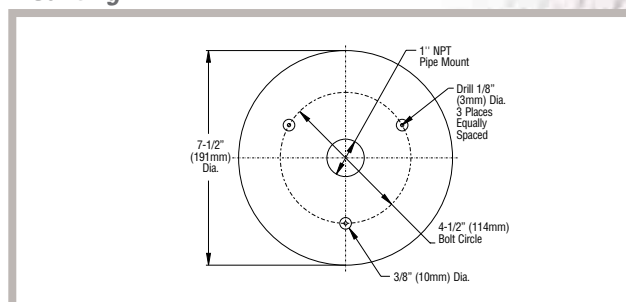


Replacement Parts

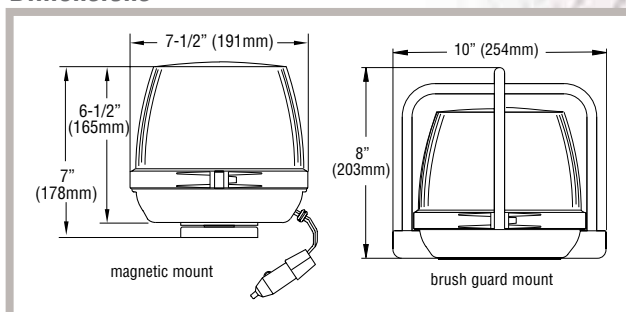
Dome	Flash Tube
68-2180347-*0	SSTUBE

* Use 1 for Amber, 3 for Clear

Mounting



Dimensions



Ready to switch to LED? See Pages 3-4!

RB6 Rota-Beam™ Rotating Halogen Beacon



Features:

- **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.**

Warranty:

- **Motor assembly = 3 year**



RB6TAP



RB6PAP

Available Colors

Models

Replace asterisk in model number with desired color. A = Amber, C = White

Model No.	Model	Mount	Base	Amps	Candlepower	VDC	FPM	Bulb
RB6P*P	RB6 Rota-Beam	perm/pipe	polycarbonate	4.5	110,000	12	150 single reflector	50 watt snap-in
RB6P*M		magnetic						
RB6T*P		perm/pipe			60,000		130 dual reflector	60 watt snap-in

Options

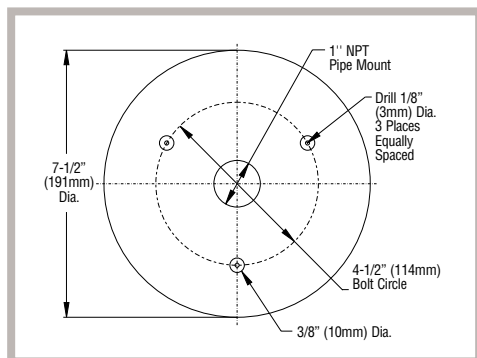
Model No.	Description
KCF*	color filter kit, customer installed for use with Clear outer dome (RB6P only)
RB6CF*	color filter kit, customer installed for use with Clear outer dome (RB6T only)
WMM6K	optional 90# pull magnet mount kit with 8' cord and plug

Replacement Part

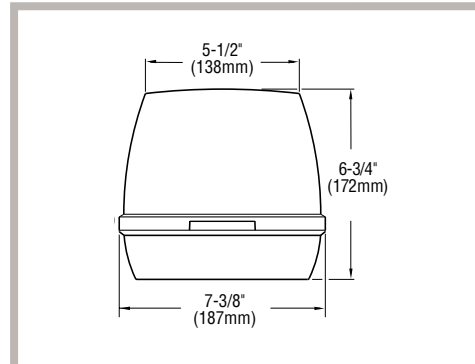
Dome
68-4161381-*0

* Use 1 for Amber, 3 for Clear

Mounting



Dimensions



Ready to switch to LED? See Pages 3-8!

SpitFire Plus™ Super-LED®

Features:

- **SAE J845 Class 1 Certified.**
- **LINZ6™ Super-LED®** interior dash and deck light with low current draw.
- Fully encapsulated electronics for moisture and vibration protection.
- Includes integral hood, two suction cups, 10' cord with cigar plug with On/Off switch and pattern control switch.

Warranty:

- **LED = 5 year**



SFP1A

Available Colors

Models

Replace asterisk in model number with desired color. A = Amber, C = White

Model No.	Lamp	Amps	VDC	Flash Patterns	Size
SFP1*	LINZ6 Super-LED	0.30/avg 0.75/peak	12	69	1-9/16" (40mm) H x 3-1/2" (89mm) D x 4-3/8" (111mm) W

SpitFire™ ION™ Super-LED®

Features:

- **SAE Class 1 Certified.**
- **Super tough ultra compact interior use ION Super-LED light.**
- **8' straight cord with cigar plug, On/Off switch with LED "On" indicator and Scan-Lock pattern switch.**
- Includes universal bracket, windshield suction cup mount.

Warranty:

- **LED = 5 year**

Model

Replace asterisk in model number with desired color. A = Amber, C = Clear/White

Model No.	Lamp	Amps	VDC	Flash Patterns	Size
SFION*	ION Super-LED	0.40/avg 1/peak	12	25 Scan-Lock™	1-5/8" (41mm) H x 3-3/8" (86mm) D x 5-1/8" (130mm) W



SFIONA

Available Colors

Avenger™ Super-LED®

Features:

- **SAE J845 Class 1 Certified.**
- **Single or dual Linear Super-LED interior lighthead.**
- **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.**

Warranty:

- **LED = 5 year**

Models

Replace asterisk in model number with desired color. A = Amber, C = Clear

Model No.	Lamp	Cable	Amps	VDC	Flash Patterns	Size (with shroud)
AVN1*	single	cigar plug	0.40/avg 1/peak	12	27	2" (50mm) H x 5-1/2" (140mm) D x 5" (127mm) L
AVN2**	dual		0.80/avg 2/peak		54	2" (50mm) H x 5-1/2" (140mm) D x 9-3/4" (248mm) L
AVNS1*	single	synchronized with 4 wire pigtail	0.40/avg 1/peak		34	2" (50mm) H x 5-1/2" (140mm) D x 5" (127mm) L
AVNS2**	dual		0.80/avg 2/peak		69	2" (50mm) H x 5-1/2" (140mm) D x 9-3/4" (248mm) L



AVN1A

AVNS2AA

Available Colors

Options

Model No.	Description
AVNBKT1	low profile mounting bracket for AVN1
AVNBKT2	low profile mounting bracket for AVN2

Model No.	Description
AVNBKT3	visor mounting bracket (2 required for dual unit)
AVNBKT4	adjustable height bracket kit for all models

FlatLighter™

Features:

- **SAE J845 Class 2 Certified.**
- **Interior use LED model.**
- **Designed to mount onto a visor and includes Velcro mounting straps.**
- **8' straight cord with cigar plug.**

Warranty:

- **LED = 5 year**



FLLEDAA

Available Colors

Models

Replace asterisks in model number with desired colors. A = Amber, C = Clear/White

Model No.	Lamps	Amps	VDC	Patterns	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

SlimLighter™ Super-LED®

Features:

- **Meets SAE Class 1 requirements.**
- **Interior use only.**
- **Swivel bracket for permanent or suction cup mounting included.**
- **Built in pattern selection button, 10' straight cord w/cigar plug, On/Off switch with LED "On" indicator**

Warranty:

- **LED = 5 year**



SLPMMMA

Available Colors

Model

Replace asterisk in model number with desired color. A = Amber, C = Clear/White

Model No.	Lamp	Amps	VDC	Flash Patterns	Other
SLPMM**	TIR6™ Super-LED®	0.6/avg 1.5/peak	12	21 Scan-Lock™	2" (52mm) H x 1-3/16" (46mm) D x 16-3/8" (416mm) L

Slim-Miser™

Features:

- **60 brilliant 5mm LEDs for interior use.**
- **Swivel mount with 3 suction cups securely hold dash light to windshield minimizing flashback.**
- **Change flash patterns via push button on back of product.**
- **10' straight cord with cigar plug, On/Off switch and LED "On" indicator.**

Warranty:

- **LED = 5 year**



SMLLAA

Available Colors

Model

Model No.	Lamp	Amps	VDC	Flash Patterns	Size
SMLLAA	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

ION™ Super-LED® Universal Mount

WHELEN

Features:

- **SAE Class 1 Certified.**
- **Ultra compact water-resistant Super-LED® 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.**

Warranty:

- **LED = 5 year**

Models

* Replace with color desired: A=Amber, C=White

Model No.	Lamp Type	Color	Amps	VDC	Housing	Flash Patterns	Size
ION*	directional	Amber or White	0.40/avg 1/peak	12	Black	25 Scan-Lock™	7/8" (22mm) H x 1-1/4" (32mm) D x 4" (101mm) W
IONW*					White		
WION*	wide angle				Black		
WIONW*					White		

Options

Model No.	Description
IONK1W	swivel mount bracket, White
IONK1B	swivel mount bracket, Black
IONGROM	grommet mount kit

Model No.	Description
IONPEDB	Black pedestal mount
IONPEDC	Chrome plated pedestal mount
IONBKT1	license plate bracket for 2 lighthead



IONA



WIONWA

Available Colors

ION™ Super-LED® Surface Mount

Features:

- **SAE Class 1 Certified.**
- **Ultra compact water-resistant Super-LED® for interior or exterior use.**
- **Available in single or split colors.**
- **Supplied with 6" pigtail.**
- **Synchronizable to other like Whelen Sync products.**

Warranty:

- **LED = 5 year**

Models

* Replace with color desired: A=Amber, C=Clear

Model No.	Lamp Type	Color	Amps	VDC	Housing	Flash Patterns	Size
IONSM*	directional	Amber or White	0.40/avg 1/peak	12	Black	25 Scan-Lock™	7/8" (22mm) H x 1-1/4" (32mm) D x 4" (101mm) W
IONSMW*					White		
WIONSM*	wide angle				Black		
WIONSMW*					White		
WIONSMC*		Chrome plated					



WIONSMCA



WIONSMWA



WIONSMA

Available Colors

ION™ Super-LED® V-Series

Features:

- **SAE Class 1 Certified.**
- **Three in one triple purpose lighthead with 45° color warning, white illumination facing straight out and white illumination downward for ground lighting.**
- **Supplied with 6" pigtail.**

Warranty:

- **LED = 5 year**

Models

* Replace with color desired: A=Amber, C=Clear

Model No.	Mount	Lamp Type	Color	Amps	VDC	Housing	Flash Patterns	Size
IONSV3*	surface	directional	Amber or White	0.40/avg 1/peak	12	Black	25 Scan-Lock™	1-3/8" (35mm) H x 1-7/8" (47mm) D x 5-5/8" (142mm) W
IONV3*W						White		
IONV3*C						Chrome		
IONV3*	universal					Black		
IONV3*W						White		



IONSV3A
Surface mount



IONV3A
Universal mount

Available Colors



Raider™ Super-LED® Series

Features:

- **SAE Class 1 Certified.**
- **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 Whelen synchronizing products.**
- **Dual units are synchronized together. Each lighthouse has its own Scan-Lock™ wire for alternate or simultaneous flashing the two lighthouses as well as pattern control.**

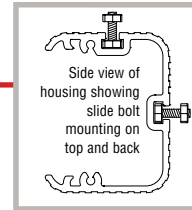
Warranty:

- **LED = 5 year**

Models

Replace asterisk in model number with desired color. A = Amber, C = Clear

Model No.	Lamps	Amps	VDC	Housing	Cable	FPM	Size
R1*	single 500 Series Linear-LED®	0.16/avg 0.4/peak	12	rugged extruded aluminum	2' 4-C	25 Scan-Lock (seven with phase 1 and phase 2, synchronization, plus eleven other patterns)	2-3/8" (60mm) H x 1-7/8" (48mm) D x 5-1/2" (140mm) L
R2**	dual 500 Series Linear-LEDs	0.32/avg 0.8/peak					2-3/8" (60mm) H x 1-7/8" (48mm) D x 11" (280mm) L



R2AA

Close up of key-hole bolt access



Available Colors

Dominator™ & Dominator Plus™ Super-LED Series

Features:

- **SAE Class 1 Certified.**
- **Low profile surface mount housing with choice of TIR3™ or LINZ6™ modules.**
- **Interior or exterior use.**
- **Fully encapsulated and waterproof.**
- **Internal self-contained electronics.**
- **Slide bolt mount.**
- **Small size fits many applications.**

Warranty:

- **LED = 5 year**



Dominator TIR3 Lighthouses



Dominator Plus LINZ6 Lighthouses



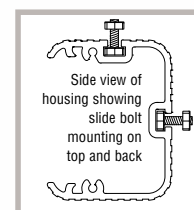
Available Color

Models

Model No.	# of Lamps	Lamp Type	Amps	VDC	Housing	Cable	Connectors	FPM	Size H x D	Length
D2AA	2	TIR3	0.2A/avg 0.44/peak per module	12	rugged extruded aluminum	12" small dia. 4-C #20 AWG	Molex water- proof	7 flash patterns and steady on mode pairs may be synchronized to each other	1-3/16" (35mm) H x 2-3/16" (55mm) D	7" (178mm)
D4AAAA	4									14" (356mm)
D6AAAAAA	6									21" (533mm)
D800800	8									28" (711mm)
DP2AA	2	LINZ6	0.30/avg 0.75/peak per module							7" (178mm)
DP4AAAA	4									14" (356mm)
DP600600	6									21" (533mm)
DP800800	8									28" (711mm)

Options

Model No.	Description
DBKT1	suction cup mount bracket & cigar plug cord kit for D2 series, customer installed
DBKT3	swivel mount bracket kit for D2 & D4 series only, customer installed
DBKT4	"L" angle mounting bracket kit, customer installed
DBKT6	Hatch mount bracket for 2008-2013 Chevy Tahoe, Interior mount, D8 only



For Dominator and Dominator Plus Traffic Advisors™ see page 27

Guardian™ Halogen & Strobe Mini Lightbars

Features:

- **SAE Certifications** - see chart.
- **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.
- **Size:** 6-1/4" (150mm) H x 7" (178mm) W x 17-5/16" (440mm) L.

Warranty:

- **Strobe** = 2 year / **Halogen rotator** = 3 year



Models

Replace asterisk in model number with desired color. A = Amber, C = Clear/White

Model No.	Technology	Mount	Amps	Light Output	VDC	FPM	Mirror	Control	Dome Color	SAE
G1P*	halogen	permanent	9	92,000 beam candlepower	12 (24 available upon request)	135 RPM 540 FPM	diamond	n/a	color outer dome	J845 Class 1 (Amber)
G1M*		magnetic				175 RPM 700 FPM				
G1V*		magnetic/suction								
G2P*		permanent								
G2M*		magnetic								
G2V*		magnetic/suction								
G7P*	strobe	permanent	3	12 joules 40 watt output	12/24	120 CometFlash® 480 total	diamond	Hi/Low intensity control (perm only)	color inner domes, clear outer dome	J1318 Class 1 (Amber)
G7M*		magnetic								
G7V*		magnetic/suction								
G7PC**		permanent								
G7MC**		magnetic								
G7VC**		magnetic/suction								

Options

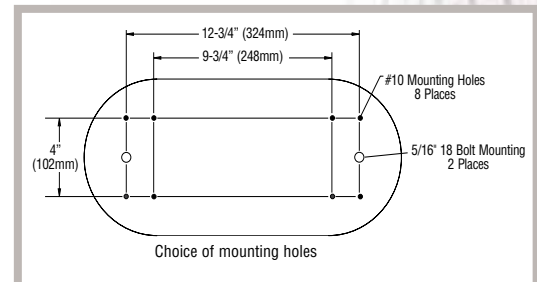
Model No.	Description
G1MM90	90 lb. pull magnet mount kit with cigar plug for G1 and G2
G7MM90	90 lb. pull magnetic mount kit with cigar plug for G7
INSTLRDX	installation of G1MM90 or G7MM90 (for permanent mount only)
KCFA	color filter kit for G1 & G2 Series, customer installed (clear outer dome only)

Replacement Parts

Model	Dome	Flash Tube	Halogen Bulb	Power Supply
G1 & G2	68-4983857-*0	--	H55H112	--
G7		FT20A	--	01-0264172-00

* Use 1 for Amber, 3 for Clear

Mounting



Responder[®] Mini Lightbars

Features:

- **SAE Certifications** - see chart.
- **Universal permanent mount version easily retrofits most competitive model footprints.**
- **Permanent bolt mount versions include 6" pigtail; magnetic mount and magnetic/suction versions include: 10' straight cord with cigar plug with LED on indicator, On/Off switch and pattern control switch.**
- **Size: 5-1/8" (130mm) H x 6-5/16" (160mm) W x 17-1/4" (438mm) L.**

Warranty:

- **LED = 5 year / Halogen rotator = 3 year**



R2HDPA



R10HDVA

Available Colors

Models

Replace asterisk in model number with desired color. A = Amber, C = Clear/White

Model No.	Technology	Mount	Amps	Light Output	VDC	FPM	Base	SAE
R2HDP*	halogen	permanent	9	92,000 beam candlepower	12 (24 optional)	135 RPM 540 FPM	aluminum	J845 Class 1 (Amber or Clear)
R2HDM*		magnetic						
R10HDP*	Super-LED®	permanent	9.0 peak	-	12	12 Scan-Lock™	aluminum	J845 Class 1 (Amber)
R10HDM*		magnetic	3.6 average			75 SignalAlert™		
R10HDV*		magnetic/suction						

Options

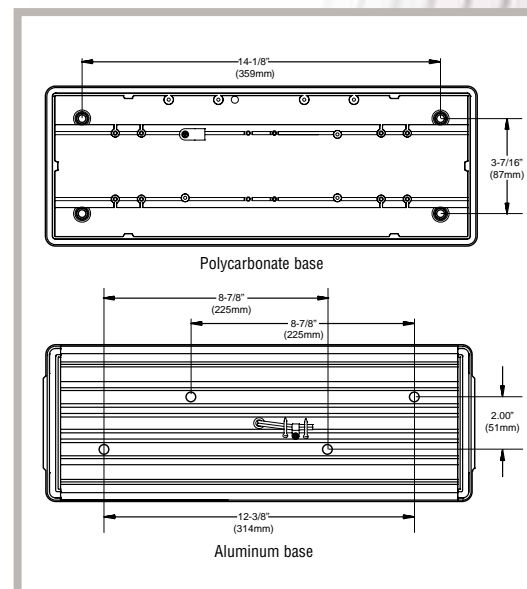
Model No.	Description
RDXMM90	90 lb. pull magnet mount kit with cigar plug
INSTLRDX	installation of RDXMM90 (for permanent mount only)
CFA	Amber filter kit for rotators, customer installed (clear outer dome only)

Replacement Parts

Model	Dome	Halogen Bulb
R2HD	68-1181893-*0	H50ASN12
R10HD		--

* Use 1 for Amber, 3 for Clear

Mounting



Responder® LP Super-LED® Mini Lightbars

Features:

- **SAE Class 1 Certified (Amber).**
- **Super-LED low profile linear (LIN6™) or conical (CON3™) mini lightbar.**
- **Choose heavy-duty extruded aluminum base or standard polycarbonate base.**
- **Permanent mount versions include 6" pigtail; magnetic mount and magnetic/suction versions include: 10' straight cord and cigar plug and LED indicator On/Off switch and pattern control switch.**
- **Polycarbonate dome with smooth exterior will not gather dirt and dust.**
- **DUO™ technology model has different color LEDs in the same module allowing lightbar to flash different colors.**

Warranty:

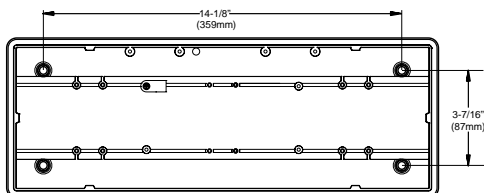
- **LED = 5 year**



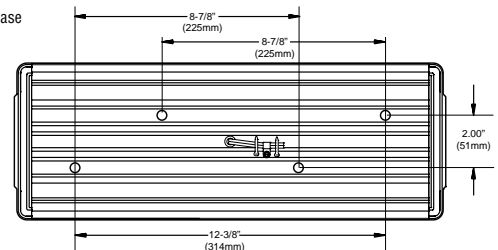
Models

Model No.	Color	Dome Color	Mount	Base	Technology	Amps	VDC	FPM	Size
R1LPPA	Amber	Amber	permanent	poly-carbonate	CON3 Super-LED	3 peak 1.2 average	12 (24V available in R2LPP R2LPM models)	30 Scan-Lock™ patterns including 4 simulated rotating patterns (perm mount only) ActionScan™ default for magnetic mount only	2-7/8" (74mm) H x 6-5/16" (160mm) W x 17" (432mm) L
R1LPPCA		Clear							
R1LPMA		Amber	magnetic/suction						
R1LPMCA		Clear							
R1LPVA		Amber	permanent						
R1LPVCA		Clear							
R1LPHPA		Amber	magnetic						
R1LPHPCA		Clear							
R1LPHMA		Amber	magnetic/suction						
R1LPHMCA		Clear							
R1LPHVA		Amber							
R1LPHVCA									
R1LPPF	split color Amber/White	Clear	permanent	poly-carbonate	LIN6 Super-LED	6 peak 2.4 average			2-7/8" (74mm) H x 6-5/16" (160mm) W x 17" (432mm) L
R1LPMF			magnetic						
R1LPVF			magnetic/suction						
R2LPPA	Amber	Amber	permanent						
R2LPPCA		Clear							
R2LPMA		Amber	magnetic						
R2LPMCA		Clear							
R2LPVA		Amber	magnetic/suction						
R2LPVCA		Clear							
R2LPHPA		Amber	permanent						
R2LPHPCA		Clear							
R2LPHMA		Amber	magnetic						
R2LPHMCA		Clear							
R2LPHVA		Amber	magnetic/suction						
R2LPHVCA									
R2LPPF	split color Amber/White	Clear	permanent	poly-carbonate	DUO LIN6 Super-LED		12	33 Scan-Lock patterns	2-7/8" (74mm) H x 6-5/16" (160mm) W x 17" (432mm) L
R2LPMF			magnetic						
R2LPVF			magnetic/suction						
RDLPPAB	DUO Amber/Blue	permanent							

Polycarbonate base



Aluminum base



CenturyTM Super-LED[®] Mini Lightbars

Features:

- **SAE Class 1 Certified.**
- **Extruded aluminum platform for rugged, long-life dependability.**
- **Standard current switching with Scan-Lock[™] flash patterns and pattern override.**
- **Low profile with compression fit gasket for superior moisture resistance.**
- **Clip-Lock[™] system allows easy removal of lightbar domes.**
- **Pre-configured lightbars, no lighting options available.**

Warranty:

- **LED = 5 year**



Available Colors

Models

Replace asterisk in model number with desired color. A = Amber, C = White

Model No.	Technology	Inboard Modules	Mount	Amps	VDC	FPM	Dome Color	Base	Size	
MC11PA	linear Super-LED corners TIR6 Super-LED inboards	2 TIR6	permanent	3.6 peak 2.2 average	12	17 flash patterns	amber	extruded aluminum platform	2-1/2" (64MM) H x 7-1/2" (191MM) W x 11" (279mm) L	
MC11MA			magnetic							
MC11SA			3/4" (75mm) stud							
MC16PA		4 TIR6	permanent	4.8 peak 3 average			NOTE: also available with clear domes, Use "CA" suffix or contact factory			
MC16MA			magnetic							
MC16VA			magnetic/suction							
MC16SA			3/4" (75mm) stud							
MC23PA		8 TIR6	permanent	7.2 peak 4.4 average						
MC23MA			magnetic							
MC23VA			magnetic/suction							
MC23SA			3/4" (75mm) stud							

FreedomTM Super-LED[®] Mini Lightbars

Features:

- **SAE Class 1 Certified.**
- **Permanent mount includes MKEZ7 mounting kit.**
- **15' cable standard.**
- **Magnetic mount versions include: four 90 lb. pull magnets, 8' straight cord and cigar plug.**
- **Freedom models can add up to 4 additional inboard Super-LED modules, halogen work lights and alley lights.**

Warranty:

- **LED = 5 year**



FT8AAAAP
with optional FTDA

Available Colors

Models

Replace asterisk in model number with desired color. A = Amber, C = White

Model No.	Technology	Mount	Amps	VDC	FPM	Base	Lens	Size
FT8****P	linear Super-LED	permanent	4 amps	12	13 Scan-Lock™ with external control	extruded aluminum I-Beam	clear outer lens	3-3/4" (95mm) H x 12" (304mm) W x 28-1/4" (717mm) L
FT8****M		magnetic			SignalAlert 75			

Options

Model No.	Description
FTALY	two halogen alley lights for perm mount only
FTTD2	two halogen work lights for perm mount only

Model No.	Description
FTD**	two 400 Series Linear Super-LED modules
FTD****	four 400 Series Linear Super-LED modules

Liberty™ Super-LED® Mini Lightbars

Features:

- **SAE Class 1 Certified.**
- **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).**

Warranty:

- **LED = 5 year**

Models

Replace asterisk in model number with desired color. A = Amber, C = Clear/White

Model No.	Technology	Mount	Amps	VDC	FPM	Base	Size
LT2****P	linear Super-LED	permanent	4.5 peak 1.8 average	12	75 SignalAlert™ patterns	extruded aluminum	2-1/2" (64mm) H x 12" (304mm) W x 22" (558mm) L
LT2****M		magnetic					

Options

Model No.	Description
LTALY	two halogen alley lights
LTTD1	one front facing halogen take-down light



LT2AAAAM

Available Colors

Justice® Super-LED® Mini Lightbars

Features:

- **SAE Class 1 Certified.**
- **Super-LED CON3™ 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.**

Warranty:

- **LED = 5 year**

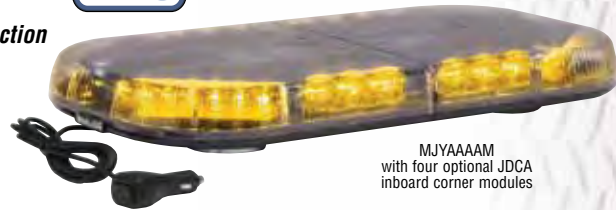
Models

Replace asterisk in model number with desired color. A = Amber, C = Clear

Model No.	Technology	Mount	Amps	Light Output	VDC	FPM	Base	Lens	Size
MJY****P	CON3 Super-LED	permanent	4 / peak 1.6 / avg. (4 corners only)	SAE Class 1	12	95 Scan-Lock patterns	extruded aluminum	clear outer lens	2-1/4" (57mm) H x 12" (304mm) W x 22" (558mm) L
MJY****M		magnetic							
MJY****V		magnetic/suction							

Options

Model No.	Description
JDC*	one CON3 Super-LED module
JDH*	one LTR3™, Super-LED module. For use with MJTDAL only



MJYAAAAM
with four optional JDCA
inboard corner modules

Available Colors

Model No.	Description
MJTDALL1	four LR11 Super-LEDs, two steady-burn take downs, and steady burn alley lights with 15° horizontal adjustment, for permanent models only. (Replaces MJTDAL)

Inner Edge® XLP Super-LED® Lightbars

Features:

- **SAE Class 1 Certified.**
- **Extra Low Profile (XLP)** full featured interior lightbar.
- **Designed to blend with vehicles existing interior.**
- **Available in 3-LED™ and 6-LED™ DUO™ models.**
- **DUO technology models have different color LEDs in the same module allowing lightbar to flash different colors, with independent control of each color.**
- **6-LED DUO module is Amber/White.**
- **Easy installation. Mounts to visor anchor points.**
- **Requires customer supplied switches or control head, purchased separately.**
- **Order by choosing the desired housing model, and then add LED lighthouse colors.**
- **3-LED models have additional TIR3™ and LIN3™ lens supplied to customize light dispersion.**

Warranty:

- **LED = 5 year**



Models

	Model No.	Vehicle	Vehicle Year	Technology	No. of Housings	No. of Warning Lamps	No. of Work Lights	VDC	Housing	Configuration		
NEW!! NEW!! NEW!! NEW!! NEW!! NEW!! NEW!! NEW!! NEW!! NEW!! NEW!! NEW!! NEW!! NEW!! NEW!! NEW!!	IX41UF5P	Ford F150	2012-2013	3-LED Super-LED	one piece passenger side	5	1	12	rugged Black powder coated aluminum			
	IX41UF6P				6	-						
	IX41UFZ				10	2						
	IX41UFX				12	-						
	IX39UF5P	Ford F250/350			one piece passenger side	5	1					
	IX39UF6P				6	-						
	IX39UFZ				10	2						
	IX39UFX				12	-						
	IX42UF5P	Dodge Ram	2011-2013	3-LED Super-LED	one piece passenger side	5	1					
	IX42UF6P				6	-						
	IX42UFZ				10	2						
	IX42UFX				12	-						
	IW41UF6P	Ford F150			2012-2013	6-LED DUO Super-LED	one piece-passenger side			6	6 DUO	
	IW41UFX						two piece			12	12 DUO	
	IW39UF6P	Ford F250/350					one piece-passenger side			6	6 DUO	
	IW39UFX						two piece			12	12 DUO	
IW42UF6P	Dodge Ram	2011-2013	one piece-passenger side	6	6 DUO							
IW42UFX			two piece	12	12 DUO							

How To Order Light Module Colors

Replace symbol \$ with number of color LED lighthoods desired. No charge with lightbar order. White is DUO default color.
For double digit numbers, use X for 12, and Z for 10

EXAMPLES of model numbers:

IXP00X00 = 12 Amber lighthoods
IWP00600 = 6 Amber lighthoods, passenger side
IWD00600 = 6 Amber lighthoods, driver side

3-LED

I	X	P	0	0	\$	\$	0
Lighthouse and Housing			AMBER		WHITE		

6-LED DUO - Passenger Side

I	W	P	0	0	\$	\$	0
Lighthouse and Housing			AMBER		WHITE		

6-LED DUO - Driver Side

I	W	D	0	0	\$	\$	0
Lighthouse and Housing			AMBER		WHITE		

Freedom™ Super-LED® Lightbars



Features:

- **SAE Class 1 Certified.**
- **Add Linear-LEDs™ in pairs to a total of 16 modules.**
- **Many options available; consult price list and/or WeCad™ software.**
- **Optional slide bolt or 5" riser mount available.**
- **15' passenger side cable, optional 25' driver side exit.**
- **Super-LED rivals strobe in intensity with only 30% of strobe amp draw.**



Freedom Super-LED
shown with available options

WeCan® models available, contact factory.

WeCan models allow for front and rear Traffic Advisor™ function.

Warranty:

- **LED = 5 year**

Models

Replace asterisk in model number with desired color. A = Amber, C = Clear/White

Model No.	Technology	Length	Size H x D	Lighting	Mount	Amps	VDC	FPM	Base	Lenses
FL4****	Linear Super-LED	44-3/8" (113cm)	3-3/4" (95mm) H x 10" (254mm) D	standard corner modules	MKEZ7 permanent	4 / peak 1.6 / average	12	75 SignalAlert™ per head (default pattern) 21 Scan-Lock™ patterns	heavy-duty extruded aluminum I-Beam	Clear outer standard, optional color available
FL8****		49-3/4" (126cm)								
FL2****		55-1/8" (140cm)		extended corner modules	Adjustable mount MKAJ available	4.92 / peak 1.97 / average				
FX4****		44-3/8" (113cm)								
FX8****		49-3/4" (126cm)								
FX2****		55-1/8" (140cm)								

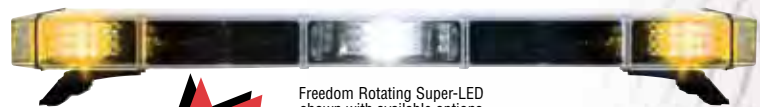
Available Colors

Freedom™ Rotating Super-LED® Lightbars



Features:

- **SAE Class 1 Certified.**
- **Start with four half modules, and add up to six more.**
- **No moving parts. 100% solid-state.**
- **Standard switching.**
- **20' passenger side cable.**
- **Many options available; consult price list and/or WeCad software.**



Freedom Rotating Super-LED
shown with available options

Warranty:

- **LED = 5 year**

Models

Replace asterisk in model number with desired color. A = Amber, C = Clear/White

Model No.	Technology	Length	Size H x D	Lighting	Mount	Amps per rotator	VDC	FPM	Base	Lenses
FR4****	rotating Super-LED	44-3/8" (113cm)	3-3/4" (95mm) H x 12" (304mm) D	half module rotating	MKEZ7 permanent Adjustable mount MKAJ available	1.3A / peak .6 / average	12	multiple Scan-Lock flash patterns, some with varying flash rates	heavy-duty extruded aluminum I-Beam	hard coated Clear outer standard, optional color available
FR8****		49-3/4" (126cm)								
FR2****		55-1/8" (140cm)								
FR0****		60" (152cm)								
FR7****		72" (183cm)								



Available Colors

Note:

All lightbars require a Lightbar WeCad™ form with order. The Lightbar WeCad Program allows customers to describe the details of a lightbar. Lightbar WeCad will display all possible options and mounting kits for a lightbar and the current list price for those options.
The WeCad program is available at: www.whelen.com/downloads/index.htm

See Page 56 for Power Control Centers and Switches

Justice® Super-LED® Lightbars

MTO

Features:

- **SAE Class 1 Certified.**
- **CON3™ directional modules have removable optic spreading filter.**
- **Center section available with single Linear6™, CON3 or two LTR3s™ (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.**
- **Many options available; consult price list and/or WeCad™ software.**

Warranty:

- **LED = 5 year**



Justice
shown with optional inboard
modules and work lights

Available Colors

WeCan™ models available, contact factory.

WeCan models allow for front and rear Traffic Advisor™ function.

Models

Replace asterisk in model number with desired color. A = Amber, C = Clear/White

Model No.	Technology	Length	Size H x D	Mount	Inboard Lighting	Control	VDC	FPM	Base	Lenses
JC4****	4 extended Linear-LED® corners	44" (112cm)	2-1/4" (57mm) H x 12" (304mm) D	permanent MKEZ7 adjustable MKAJ available	optional CON3 modules	front/rear & all bar control	12	multiple flash patterns	Black polycarbonate on extruded aluminum platform	Clear outer standard color lenses available
JC8****		50-1/8" (132cm)								
JC2****		56-1/4" (152cm)								
JE4****	4 standard Linear-LED corners	44" (112cm)	2-1/4" (57mm) H x 12" (304mm) D	permanent MKEZ7 adjustable MKAJ available	optional CON3 modules	front/rear & all bar control	12	multiple flash patterns	Black polycarbonate on extruded aluminum platform	Clear outer standard color lenses available
JE8****		50-1/8" (132cm)								
JE2****		56-1/4" (152cm)								

Liberty™ Super-LED® Lightbars

MTO

Features:

- **SAE Class 1 Certified.**
- **Add Linear-LEDs® in pairs to a total of 16 modules.**
- **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.**
- **Many options available; consult price list and/or WeCad software.**

Warranty:

- **LED = 5 year**



Liberty
shown with optional inboard
modules and work lights

Available Colors

WeCan™ models available, contact factory.

WeCan models allow for front and rear Traffic Advisor function.

Models

Replace asterisk in model number with desired color. A = Amber, C = Clear/White

Model No.	Technology	Length	Size H x D	Mount	Inboard Lighting	Control	VDC	FPM	Base	Lenses
SX4****	4 extended Linear-LED corner modules	43-1/8" (110cm)	2-1/2" (64mm) H x 12" (304mm) D	permanent MKEZ7 adjustable MKAJ available	Linear-LED modules in pairs (up to 12 optional modules)	front/rear & all bar control	12	75 SignalAlert™ default: 21 Scan-Lock patterns	extruded aluminum top and base	standard color lenses available
SX8****		48-1/2" (123cm)								
SX2****		54" (137cm)								

Note:

All lightbars require a Lightbar WeCad™ form with order. The Lightbar WeCad Program allows customers to describe the details of a lightbar. Lightbar WeCad will display all possible options and mounting kits for a given lightbar and the current list price for those options.

The WeCad program is available at:

www.whelen.com/downloads/index.htm

See Page 56 for Power Control Centers and Switches

Towman's™ Super-LED® Lightbars



Features:

- **SAE Class 1 Certified.**
- Includes rear facing LED brake/tail/turn signals, Justice® Series has LED work lights, standard, other models have halogen work lights standard.
- Many options offered either factory or customer installed.
- Front/rear warning lights separately controlled on Super-LED lightbars.
- Justice lightbar. Add as many CON3™ modules until lightbar is completely filled.
- Century™ has 4 corner modules plus 4 Linear-LED® warning modules (2 front, 2 rear).
- Available in Red, Blue or Red/Blue, contact factory.

Warranty:

- LED = 5 year



Available Colors

Models

Model No.	Series	Length	Size H x D	Lighting	Inboard Warning Lights	Mount	VDC	FPM	Base	Lenses
CW0BAAA	Century	60" (154cm)	2-1/4" (57mm) H x 12" (304mm) D	4 Linear-LED® corners 2 Super-LED work lights, 2 LED brake/tail/turn lights	4 Amber Linear-LEDs (2front/2rear)	3 adjustable slide bolts	12	Action- Scan™	extruded aluminum I-Beam	color lenses standard
FLOTAAAA	Freedom™		3-3/4" (95mm) H x 10" (254mm) D	4 bi-level Linear-LED corners 2 halogen work lights, 2 LED brake/tail/turn lights	optional			75 Signal- Alert™	extruded aluminum I-Beam	Clear outer standard, color available
SLOTA AAA	Liberty™		2-1/2" (64mm) H x 12" (304mm) D	4 Linear-LED corners, 2 halogen work lights, 2 LED brake/tail/turn lights	(add up to 12 linear lighthead in pairs)	4 adjustable slide bolts			extruded aluminum	
JF0TAAAA	Justice	62-3/8" (158cm)	2-1/4" (57mm) H x 12" (304mm) D	4 Linear-LED® corners 2 Super-LED work lights, 2 LED brake/tail/turn lights	optional*	3 adjustable slide bolts		Action- Scan	Black polycarbonate base on extruded aluminum platform	
JF0BAAA					6 Amber CON3*					
JF0DAAA					5 Amber CON3s* & Traffic Advisor™					

* Note: Can also add options

Century Options

Model	Description
CEDLXA	one LIN12, Amber
CDT6A	one TIR6, Amber

Liberty Options

Model	Description
SLEAA	two Linear-LED lighthead, factory installed, Amber
SLTTALN6	six lamp Linear-LED Traffic Advisor with TACTRLD1 (requires deletion of work lights or brake/tail/turn lights)
SLTTALED	six lamp 5mm LED Traffic Advisor with TACTRLD1 (requires deletion of work lights or brake/tail/turn lights)
SLETKAA	two Linear-LED lighthead, customer installed, Amber
DELSLEBT	delete brake/tail/turn lights
DELSLEWL	delete work lights

Freedom Options

Model	Description
FLDSCBL	driver side cable exit
FLETAA	two single level TIR style lighthead, factory installed, Amber
FLETKAA	two single level TIR style lighthead, customer installed, Amber
DELFLTBT	delete brake/tail/turn lights
DELFLWL	delete work lights

Justice Options

Model	Description
JDC*	one CON3

Replace asterisk in model number with desired color.
A = Amber, R = Red, B = Blue

See Page 56 for Power Control Centers and Switches

Traffic Advisors™ Super-LED® Straight Style

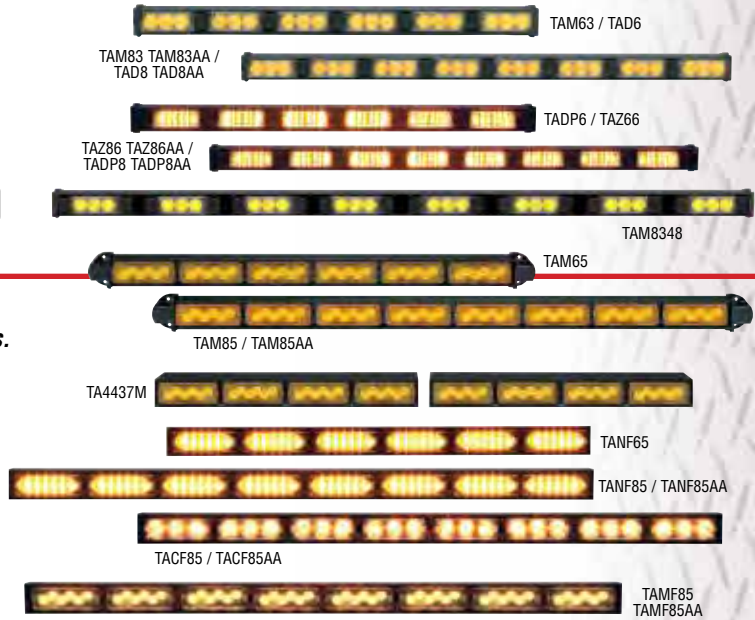


Features:

- 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.

Warranty:

- LED = 5 year



Available Color

Models

Model No.	Tech- nology	No. of Modules	End Flasher	Mount	Control Head	VDC	Housing	Encap- sulated	Size H x D	Length		
TAM63	TIR3™	6	-	surface mount/ slide bolt	TACTLD1 included	12	extreme low profile one piece	yes	1-3/4" (44mm) H x 2-3/16" (55mm) D	23" (58cm)		
TAM83		8	-		requires optional TADCTL1 or customer supplied switches					23" (58cm)		
TAM83AA			yes								30-7/8" (78cm)	
TAM8348		-	48" (122cm)									
TAD6	TIR3 Dominator™ Series	6	-								TACTLD1 included	23" (58cm)
TAD8		8	-		30-7/8" (78cm)							
TAD8AA			yes							23" (58cm)		
TADP6		LINZ6™ Dominator Plus™ Series	6							-		
TADP8	8		-				23" (58cm)					
TADP8AA			yes		30-7/8" (78cm)							
TAZ66	LINZ6		6		-					TACTLD1 included	23" (58cm)	
TAZ86		8	-		30-7/8" (78cm)							
TAZ86AA			yes				23" (58cm)					
TAM65		500 Series TIR6™	6	-			TACTLD1 included		low profile flat style one piece			2-7/8" (73mm) H x 2-1/4" (57mm) D
TAM85	8		-	46-7/8" (119cm)								
TAM85AA			yes		2-1/2" (64mm) H x 4-7/16" (113mm) D					22-3/4" (58cm) each piece		
TA4437M	-		-		34" (86cm)							
TANF65	500 Series Linear-LED®	6	-		surface mount/ slide bolt		TACTLD1 included		front load rectangular one piece	2-3/8" (60mm) H x 2-3/8" (60mm) D	45-1/8" (115cm)	
TANF85		8	-	46-7/8" (119cm)								
TANF85AA			yes									45-1/8" (115cm)
TAMF85			-									46-7/8" (119cm)
TAMF85AA	TIR6 500 Series	yes	45-1/8" (115cm)									
TACF85		CON3™ front load	-	45-1/8" (115cm)								
TACF85AA		yes	45-1/8" (115cm)									

Options

Model No.	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, TADP6, TAM83 and TAZ86 only

Model No.	Description
TADCTL1	control head for TAD/TADP Donimator 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



Traffic Advisors™ LED & Halogen, Straight Style

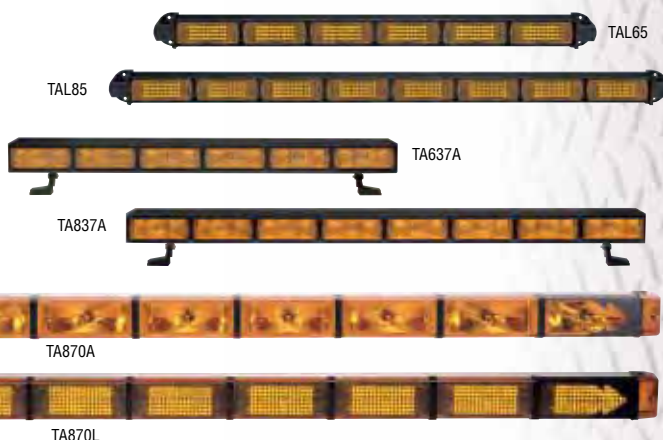


Features:

- 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.

Warranty:

- LED = 5 year / Halogen = 2 year (excludes bulbs)



Available Color

Models

Model No.	Technology	No. of Modules	Mount	Control Head	VDC	Housing	Encapsulated	Size H x W	Length
TAL65	500 Series 5mm LED	6	surface thru-bolt or integral fasteners on back	TACTLD1	12	low profile flat style one piece	yes	2-7/8" (73mm) H x 2-1/4" (57mm)D	36" (91cm)
TAL85		8					yes		46-7/8" (119cm)
TA637A	500 Series halogen	6	swivel foot	TACTRL1A		rectangular one piece	-	2-1/2" (64mm) H x 4-7/16" (113mm) D	33" (84cm)
TA837A		8							slide bolt
TA870A	700 Series halogen		7' (213cm) or 8' (244cm) available)						
TA870L	700 Series 5mm LED								

Options

Model No.	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 control & end lamp enable/disable feature
DELTAC1A	delete TACTALD1 from 6-8 lamp LED Traffic Advisor
DELTAC1A	delete TACTRL1A from 6-8 lamp Halogen Traffic Advisor

Halogen Substitute Cables

Model No.	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

Halogen Extension Cables

Model No.	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



TACTLD1
TACTRL1A

Traffic Advisors™ LED & Halogen, Arrow Style

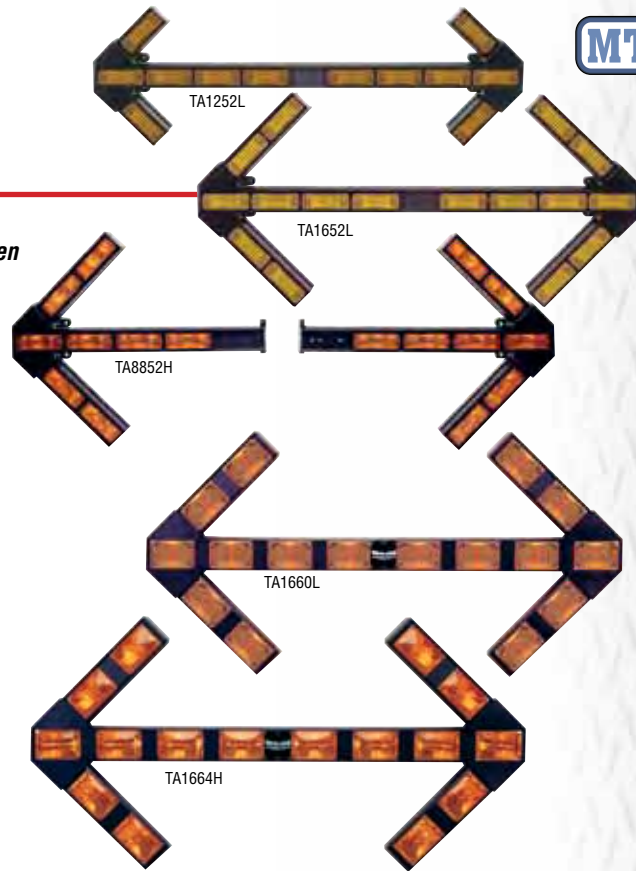
MTD

Features:

- Sixteen lamp versions meet MUTC2009 specifications when mounted on appropriate backboard.
- Two piece models have 10' interconnect cable.
- LEDs rated for 100,000 hours of operation.
- Four operating modes; left, right, split & flashing. Rear dip switch provides 8 flash pattern choices.
- Hi/Low intensity control.
- Heavy-duty extruded aluminum housing with Black finish.
- Custom cable lengths, contact factory.

Warranty:

- LED = 5 year
- Halogen = 2 year (excludes bulbs)



Available Color

Models

Model No.	Technology	No. of Lamps	Lamp Size	Power Cable	Mount	Control Head	VDC	Housing	Encap-sulated	Size
TA1252L	500 Series 5mm LED	12	5" x 2"	25'	surface mount/slide bolt	TACTRL3A	12	one piece	yes	16" (406mm) H x 5-1/4" (133mm) D x 48" (122cm) L
TA1652L		16								23-1/4" (590mm) H x 5-1/4" (133mm) D x 48" (122cm) L
TA8852H	500 Series halogen	16	5" x 2"	25'		TACTRL3A		split 2 piece	-	23" (584mm) H x 5-1/4" (133mm) D x 27-3/4" (704mm) L (each piece)
TA1660L!	600 Series 5mm LED	16	6" x 4"	40'		TACTRL2A		large one piece	yes	36-1/2" (927mm) H x 4" (102mm) D x 5-1/2' (167cm), 6' (183cm), 7' (213cm) or 8' (244cm) L
TA1664H!	600 Series halogen			26'		TACTRL3A			-	

! Indicate length desired. 5 foot, 6 foot, 7 foot or 8 foot.

Options

Model No.	Description
TACTRL3A	control head only for 16 lamp halogen/LED Traffic Advisor. non diagnostic, meets Federal standards



TACTRL3A

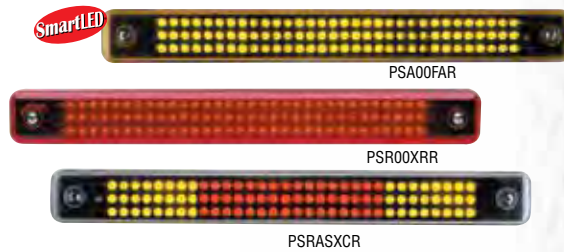
Strip-Lite™ Lightheads

Features:

- **Warning light meets SAE Class 2 requirements.**
- **SmartLED® design requires no external flasher.**
- **Encapsulated for moisture and vibration resistance.**

Warranty:

- **LED = 5 year**



Available Colors

Models

* Replace with color desired: A=Amber, C=White

Model No.	Tech-nology	Mounting	Amps		VDC	Patterns	Base	Cable	Size
PS*00F*R	5mm LED warning	surface with 2 screws	700mA/max	350mA/avg	12	14 Scan-Lock™	poly-carbonate	6" pigtail	1" (25mm) H x 1-3/8" (35mm) D x 11-1/2" (292mm) L
PSR00XRR	5mm brake/tail/turn		50mA/low	500mA/high		SignalAlert™ & steady			
PSRASXCR	5mm brake/tail with Amber turn		50mA/low	500mA/high					

Options

Model No.	Description
PSBKT451	45° stainless steel mounting bracket for one lighthead
PSBKT1	guard for use with or without single angle bracket



Micro Super-LED® Lightheads

Features:

- **Certified as a system component to SAE & California Title XIII specifications.**
- **Lightheads are designed to be used in pairs.**
- **Heavy-duty extruded aluminum frame with color outer lens.**
- **Optional cable lengths available, contact factory.**
- **Lightheads provided with bolt mount.**
- **Includes built-in flasher.**

Warranty:

- **LED = 5 year**



Available Colors

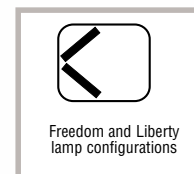
Models

* Replace with color desired: A=Amber, C=Clear

Model No.	Series	Tech-nology	No. of Modules	Profile	FPM	Amps	VDC	Light Output	Cable	Connectors	Size
MCFLD2*	Freedom™	Linear Super-LED®	2	high	75 SignalAlert™ per light module	3.2	12	240°	20' 7-C	AMP Mate-N-Lok®	3-4/4" (95mm) H x 10" (254mm) D x 8" (203mm) W
MCSLED2*	Liberty™			low		3			20' 7-C		2-1/2" (64mm) H x 12" (304mm) D x 9-1/2" (241mm) W

Options

Model No.	Description
W441DIN	Deutsch® waterproof connector (3 pins) installed on cable
W442DIN	Deutsch waterproof connector (3 sockets) installed on lighthead



Specialty & Surface Mount Lightheads



HA238A
Flange mount



HA239C
Soft plug-in/screw-in



Features:

Hide-A-Way Strobes

- Installs easily in a 1" hole inside vehicle's composite-style head or taillight assemblies.
- Requires remote strobe power supply.

508 & 810 Series

- Certified as a system component to SAE & California Title XIII specifications.
- Surface mount with 4 screws.
- Strobe models require remote strobe power supply.
- Halogen models require remote flasher.

Warranty:

- Strobe = 2 year / Halogen = 2 year (excludes bulbs)



508 Linear
Strobe
58EC20AU



508 Dual
Halogen
580CAAAR



810 Linear
Strobe
81EC20AU



810 Dual
Halogen
810CAAAR

Available Colors

Models

* Replace with color desired: A=Amber, C=Clear

Model No.	Model	Technology	Mounting	Amps	VDC	Lens	Cable	Connectors	Size
HA239C	Hide-A-Way Series	strobe	soft plug-in/ screw-in	see power supply	12	Clear	15' 3-C shielded cable (for special cable lengths consult current price list)	AMP Mate-N-Lok®	1-5/8" (41mm) H x 1" (25mm) Dia.
HA239CD			flange					Deutsch® waterproof	
HA238C								AMP Mate-N-Lok	
HA238CD						Deutsch waterproof			
HA238A			Amber			AMP Mate-N-Lok			
HA238AD						Deutsch waterproof			
580CAA*R	508 Series	dual halogen		surface mount	5 / high	Amber or Clear	6" pigtail	-	5" (127mm) H x 2" (51mm) D x 8-11/16" (221mm) W
58EC20*R		strobe	see power supply		AMP Mate-N-Lok				
810CAA*R	810 Series	dual halogen	5 / high		-			AMP Mate-N-Lok	8" (203mm) H x 2" (51mm) D x 10" (254mm) W
81EC20*R		strobe	see power supply						

Tubes only for Hide-A-Way Series (Less Cable)

Model No.	Description
S30HACP	Clear, soft plug-in, AMP Mate-N-Lok connectors
S30HACPD	Clear, soft plug-in, Deutsch waterproof connectors
S30HAC	Clear, flange mount, AMP Mate-N-Lok connectors
S30HACD	Clear, flange mount, Deutsch waterproof connectors
S30HAA	Amber, flange mount, AMP Mate-N-Lok connectors
S30HAAD	Amber, flange mount, Deutsch waterproof connectors

508 & 810 Options

Model No.	Description
508TRIM	Chrome plated trim ring for 508 Series
810TRIM	Chrome plated trim ring for 810 Series
W441DIN	Deutsch waterproof connector (3 pins) installed on cable
W442DIN	Deutsch waterproof connector (3 sockets) installed on lighthead

For Extension Cables and Connectors, see page 58

Perimeter™ Enhancement

- Downward projected ground lighting for the perimeter of your vehicle.
- Six diode Super-LED® module in a rugged polycarbonate housing, available in Chrome or Black.
- Mounts to vertical surfaces, and may be inverted.
- Molded rubber gasket protects body panels.

Warranty:

- LED = 5 year

Models



PELCC



PELCB

Available Colors

Model No.	Technology	Mounting	Amps	Lumens	Housing Color	VDC	Base	Cable	Size
PELCC	Super-LED	surface	.85	1000	Chrome	12	poly-carbonate	6" integral lead	1" (25mm) H x 1-3/8" (35mm) D x 11-1/2" (292mm) L
PELCB					Black				

Vertex™ Super-LED® Hide-A-Way

Features:

- Ultra small, self-contained, hemispheric LED light with in-line lamp driver.
- For surface mount or internal mount within composite head lamps, cornering lamps and taillight assemblies.
- 1" mounting hole and backwards compatible to HA238 and standard 1" Hide-A-Way style lamps.
- For best performance, LED color must match color of the lens, except for Clear lens.
- No RFI noise emitted.
- Split colors of Red, White and/or Amber.

Warranty:

- LED = 5 year



Available Colors

Models * Replace with color desired: A=Amber, C=White, R=Red; Replace # with split color desired: D= Red/White, F= Amber/White, K=Red/Amber

Model No.	Technology	Amps	Housing	Encapsulation	VDC	Patterns	Cable	Lamp Size
VTX609*	Super-LED	.750 peak, .300 average	polymer	yes, lamp and lamp driver	12	25 Scan-Lock™	9' sealed PVC	7/8" (22mm) H x 1-1/2" (38mm) Dia.
VTX609F	Split Super-LED							

Options

Model No.	Description
VTXFC	Chrome plated flange
VTXFB	Black flange



VTXFC



VTXFB

Flanges shown with lighthead, purchased separately.



Vertex in headlight assembly.



Multiple Vertex lighthead, purchased separately.

Vertex™ Competitor Super-LED® Hide-A-Way

Features:

- Economically priced, 6-diode with electronics built into base.
- Self-contained, hemispheric LED light for surface mount anywhere on your vehicle, or internal mounting inside of composite headlight, cornering lights and taillight assemblies.
- Omni-directional, mounts in any position.
- Simple installation via two screws in base.

Warranty:

- LED = 5 year

Models * Replace with color desired: A=Amber, C=White, R=Red

Model No.	Technology	Amps	Housing	Encapsulation	VDC	Patterns	Cable	Lamp Size
VTC6*	Super-LED	0.7 peak 0.28 average	aluminum	yes	12	25 Scan-Lock™	6" pigtail	1" (25mm) H x 1-5/8" (41mm) Dia.

Options

Model No.	Description
VTCFC	surface mount Chrome plated flange
VTCFB	surface mount Black flange



VTCFB



VTCFC

Available Colors

Directional Super-LED® Warning Lights

Features:

- Fully encapsulated for moisture and vibration resistance.
- Highly intense and effective surface mount light modules.
- LEDs are rated for thousands of hours of operation.
- Includes black polycarbonate mounting flange.
- Polycarbonate construction.
- The "synch" interconnect wire allows up to eight lighthead to be synchronized together.
- Includes steady-burn, alternating and simultaneous patterns available.

TIR3™

- SAE J595 & J845 Class 1 Certified.
- Super-LED directional lighting.

LIN3™

- SAE J595 & J845 Class 1 Certified.
- Linear Super-LED for more spread light output.

LIN6™

- SAE J595 & J845 Class 1 Certified.
- Six Linear Super-LEDs for superior light output.
- Scan-Lock™ flash patterns allows for alternate or simultaneous flashing of each color segment (3 x 3).

Warranty:

- LED = 5 year



Models

* Replace with color desired: A=Amber, C=White

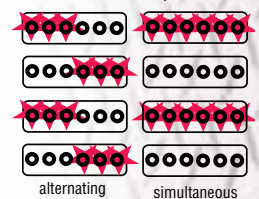
Model No.	Lamp Type	Mount	Flange	Amps	VDC	Patterns	Color Lighthead/Lens	Size
RSA03ZCR	TIR3	horizontal, surface	Black flange included	0.40/peak 0.16/avg	12	25 built-in Scan-Lock patterns	Amber/Clear lens	1-1/8" (28mm) H x 1-1/4" (32mm) D x 3-1/2" (89mm) L
RSC03ZCR		vertical, surface					White/Clear lens	
RVA03ZCR							Amber/Clear lens	
RVC03ZCR							White/Clear lens	
RS*02ZCR	LIN3	horizontal, surface	Black flange included	0.75/peak 0.30/avg	12	25 Scan-Lock	Clear lens	2" (48mm) H x 1-5/8" (40mm) D x 4" (102mm) L
LINZ6A	solid LINZ6						Amber/Clear lens	
LINZ6C							White/Clear lens	
LINZ61	split LINZ6							

Options

Model No.	Model	Description
RFLANGEA	TIR3/LIN3	cast aluminum brush guard flange kit
RFLANG2C		Chrome plated flange for dual lighthead
RFLANG2B		Black flange for dual lighthead
RBKT1		mounting bracket for one lighthead
RBKT2		mounting bracket for two lighthead
RFLANGCD		deep Chrome plated flange kit
RFLANGEC		Chrome plated flange kit
RBKT4		swivel mounting bracket for one lighthead

Model No.	Model	Description
LINZ6FC	LINZ6	deep Chrome plated flange kit
RGROMMET	TIR3/LIN3 LINZ6	grommet mount kit
RBKT11		bed rail mount bracket for F-150
RBKT12		bed rail mount bracket for F-250/350/450/550
RBKT13		bed rail mount bracket for Chevy Silverado

LINZ6 showing alternating and simultaneous flash patterns.



RGROMMET mount kit to fit TIR3, LIN3 and LINZ6 lighthead.

2", 3" & 4" Round Lightheads

Features:

2" Round

- Includes 2-1/2" adapter, 3" and 3-1/2" flange.

3" Round

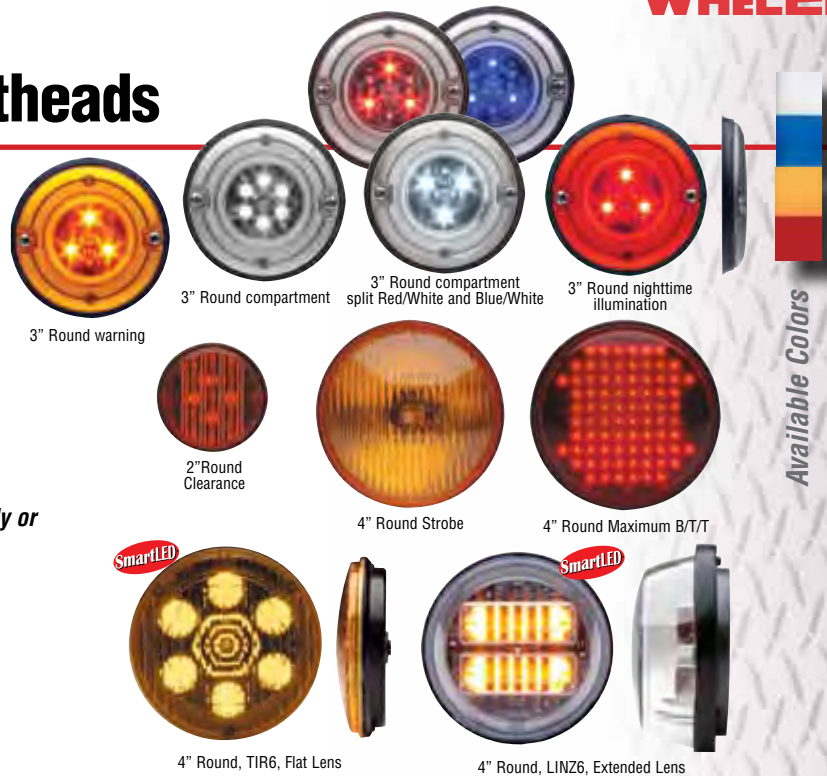
- Steady-burn and warning.
- Surface mount aluminum housing.
- Ultra thin at only 7/16" (12mm) depth.

4" Round

- Certified as system component to SAE & California Title XIII specifications.
- TIR6 includes steady-burn and the ability to alternately or simultaneously flash multiple lightheads.
- To simultaneously flash or alternate multiple LED lightheads use optional LED flasher.
- Extended lens models with two LINZ6™ modules.

Warranty:

- Strobe = 2 year / LED = 5 year



Available Colors

Models * Replace with color desired: A=Amber, B=Blue, C=Clear/White, R=Red

Model No.	Model	Lamp Type	Technology	Flange	Amps in mA	VDC	Patterns	Encap- sulated	Colors	Cable	Size
TOA00MAR	2" Round	marker/ clearance	5mm LED	includes 3 adapter mounts - requires optional grommet or trim ring	25/max	12	steady	yes	A	6" pigtail	2" (50mm) Dia.
TOR00MRR									R		
3S*00F*R	warning	Super-LED	surface mount	300	flashing		A,R,B		3" (76mm) Dia.		
3SC0CDCR	compartment				steady		W				
3SR0CDRR							R				
3SRCCDCR							split W/R				
3SBCCDCR							split W/B				
201000*R							warning	strobe	requires remote power	power supply dependent	-
20R00XRR	B/T/T maximum	5mm LED	requires optional grommet or trim ring	60/low 450/high	steady		yes	R	6" pigtail		
2F*00Z*R	warning	TIR6™ Super-LED® flat lens		800/max 300/avg	5 built-in Scan-Lock		epoxy coated	A,R			
2E*00Z*R		LINZ6 Super-LED extended lens		1.5/peak 0.6 avg	25 Scan-Lock						

2" Round and 3" Round Options

Model No.	Model	Description
TGROM2	2" Round	rubber grommet kit
TFLANGEB		surface mount Black flange kit
TFLANGEC		surface mount Chrome plated flange kit
W441DIN		Deutsch® waterproof connector (3 pins) installed on cable
W442DIN		Deutsch waterproof connector (3 sockets) installed on lighthead
3FLANGEC	3" Round	surface mount Chrome plated flange kit
3GROMMET		grommet mount kit

4" Round Options

Model No.	Description
2GROMMET	rubber grommet kit
2FLANGEB	surface mount Black flange kit
2FLANGEC	surface mount Chrome plated flange kit
LEDLOAD	in-line load resistor kit to interface with OEM turn signal circuit
W441DIN	Deutsch waterproof connector (3 pins) installed on cable
W442DIN	Deutsch waterproof connector (3 sockets) installed on lighthead

OS Series Lightheads

Features:

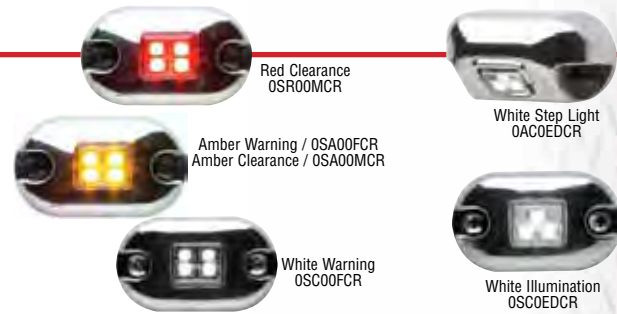
- Designed to meet SAE J592 (Clearance/Marker only).
- Smallest lighthead available by Whelen.
- Includes oval chrome plated flange.
- Clear outer lens, color LEDs.

Warranty:

- LED = 5 year

Models

Model No.	Lamp Type	Technology	Diodes	Mount	Color	VDC	FPM	Amps	Cable	Encapsulated	Size
OSA00FCR	warning	LED	4	includes chrome plated flange	A	12	flashing	60mA/peak 30mA/avg	6" pigtail	yes	1" (25mm) H x 1-1/2" (48mm) W x 1/2" (13mm) D
OSC00FCR					W						
OSR00MCR	R										
OSA00MCR	A										
OSC0EDCR	3		W								
OAC0EDCR					step light						



Available Colors

OR Series Lightheads

Features:

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

Warranty:

- LED = 5 year

Models * Replace with color desired: A=Amber, C=White, R=Red

Model No.	Lamp Type	Technology	Diodes	Mount	Color	VDC	FPM	Amps	Cable	Encapsulated	Size
OR*00FCR	warning	LED	4	recess	A W	12	flashing	60mA/peak 30mA/avg	6" pigtail	yes	3/4" (19mm) H x 3/4" (19mm) W x 1/2" (13mm) D
OR*00SCR							steady	30mA			



Available Colors

2G & 5G Lightheads

Features:

- Class 1, SAE Certified.
- SmartLED® design requires no external flasher (warning only).
- Economical and reliable.
- Includes vinyl grommet.
- Lights can be surface mounted horizontal or vertical.

Warranty:

- LED = 5 year

Models

Model No.	Lamp Type	Technology	Cable	VDC	FPM	Amps in mA	Encapsulated	Size
2GA00FAR	warning	5mm	6" pigtail	12	15 Scan-Lock™ patterns	300/avg 500/peak	yes	5-1/2" (140mm) Dia. x 1-1/4" (31mm) D (with grommet)
5GA00FAR								3-3/16" (81mm) H x 7-7/16" (189mm) W x 1-1/4" (38mm) D (with grommet)



Available Color

2G Options

Model No.	Description
2GFLANGC	surface mount Chrome plated flange kit
2GFLANGB	surface mount Black flange kit
2GBKT1	Black surface mount "L" bracket



2GBKT1

5G Options

Model No.	Description
5GFLANGC	surface mount Chrome plated flange kit
5GFLANGB	surface mount Black flange kit
5GBKT1	Black surface mount "L" bracket



5GBKT1

V-23 Series Super-LED® Lightheads

WHELEN

Features:

- **SAE 845 Class 1 Certified.**
- **Combination three-in-one surface mount light includes Class 1 color warning, white flood/work and ground illumination.**
- **180° wide angle warning.**
- **Hard coated lenses with HDO™ (High Definition Optics).**

Warranty:

- **LED = 5 year**



Available Colors

Model No.	Lamp Type	Colors	Mount	VDC	Patterns	Amps in mA	Cable	Housing Color	Dimesnions
V23*TPB	warning	A,C	surface	12	18 Scan-Lock™	0.12 (warning only)	6" pigtail	Black	2-11/16" (68mm) H x 1-1/2" (38mm) D x 4-1/4" (109mm) W
V23*TPC	worklight ground light							Chrome	

Options

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



400 Series Lightheads

Features:

- **Designed to meet or exceed current and proposed SAE applicable standards.**
- **Strobe: back of lighthead is fully encapsulated.**
- **Linear Super-LED®: single level lighting, rivals strobe in intensity with 30% of amp draw.**
- **Duplex Linear Super-LED: dual level lighting, upper and lower levels can be controlled separately; requires remote ULF flasher; not to be used as a steady-burn light.**
- **NEW Brake/tail/turn with 2 flash patterns.**
- **Size: 3-1/16" (77mm) H x 4-15/16" (124mm) W.**

Warranty:

- **LED = 5 year / Strobe = 2 year / Halogen = 2 year (excludes bulbs)**

Models

* Replace with color desired: A=Amber, C=Clear/White

Model No.	Lamp Type	Technology	Colors	Mount	VDC	Patterns	Amps in mA	Cable	Connectors	Encapsulated	
40J000*R	warning	halogen 27 w snap-in	A,C	flush mount, optional mounting required	12	requires flasher	2.5A/max	6" pigtail	AMP	-	
40J000FR			split A/C								
402000*R		strobe	A,C			requires remote power supply					
40*02Z*R		linear Super-LED	A,W	5		0.75/peak 0.30/avg	see flasher		0.68A/peak 0.27A/avg	-	yes
40AA5SCR			A/A								
40CC5SCR			W/W								
40AC5SCR			A/W								
40BTT	B/T/T	5mm LED	R	surface	2	.375A brake .04A tail					
40A00AAR	Amber turn		A		-	60/low 400/high					
40C00VCR	back-up		W			350/max					

Options

Model No.	Description
W441DIN	Deutsch® waterproof connector (3 pins) installed on cable
W442DIN	Deutsch waterproof connector (3 sockets) installed on lighthead
4FLANGEB	Black flange kit (not for duplex Linear-LED®)
4EFLANGE	Chrome plated flange kit (not for duplex Linear-LED)
4TSMAB	Black flange kit, for duplex Linear-LED only

Model No.	Description
4TSMAC	Chrome plated flange kit, for duplex Linear-LED only
4EGRILB	Grille-Master™ Black housing with swivel bracket
4EGRILP	Grille-Master Chrome housing with swivel bracket
LEDLOAD	in-line load resistor kit to interface with OEM turn signal circuit

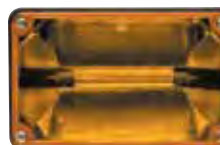
Mountings available for specific vehicles, consult current price list



Halogen / 40J000AR



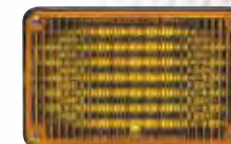
Linear-LED / 40A02ZCR



Strobe / 402000AU



Duplex Linear-LED / 40AA5SCR



LED Combination Turn-Clearance / 40A00AAR



Back-up / 40C00VCR



Brake/Tail/Turn / 40BTT

Available Colors

500 Series Lightheads

Features:

- **Designed to meet or exceed current and proposed SAE applicable standards.**
- **Halogen:** requires remote halogen flasher.
- **Strobe:** supplied with 6" pigtail and AMP Mate-N-Lok® connectors; surface mount requires Model 52SMAB and optional flange; back of lighthead is fully encapsulated.
- **LIN6™ Super-LED®:** split LED models requires Model 5LSMAB or 5LSMAC flange and are epoxy coated for vibration and moisture resistance.
- **NEW 50AA2SA2 cab mount light with vertical Chrome flange (use one per side).**
- **NEW 50A02SA1 grommet mount rear waste truck light includes connector (for use in an lighthead array of seven).**
- **TIR6™ Super-LED:** rivals strobe in intensity with 30% of amp draw; epoxy coated for vibration and moisture resistance, requires either 5TSMAB or 5TSMAC flange.
- **5mm LED:** encapsulated; to simultaneously flash or alternate multiple lightheads, use optional LED flasher.
- **Size: 1-5/8" (41mm) H x 5" (127mm) W.**

Warranty:

- **LED = 5 year / Strobe = 2 year / Halogen = 2 year (excludes bulbs)**



Models

* Replace with color desired: A=Amber, C=Clear/White

Model No.	Lamp Type	Tech-nology	Colors	Mount		VDC	Patterns	Amps in mA	Cable	Encap-sulated
50K000*R	warning	halogen 35 w	A,C	flush mount, optional mounting required	hor./ vert.	12	requires flasher	2.75 A/max	6" pigtails	-
50X000RR	B/T/T		R				steady	575/low 2.2A/high		
502000*R	warning	strobe	A,C		hor./ vert.		requires remote power supply			
50**2ZCR		split LIN6 Super-LED	A,W		hor.	20 Scan- Lock™ plus steady- burn	900/max			
50*02Z*R					hor.					
5V*02Z*R		vert.		1A max 0.40A avg						
50AA2SA2		Chrome flange			vert.					
50A02SA1		grommet included		hor.	includes sync					
50**3ZCR		split TIR6	flush mount, optional mounting required	hor.	20 Scan- Lock™	800/max 300/avg				
50*03Z*R		TIR6			14	350/max-150/avg				
50*00F*R		5mm LED			R	steady	50/low - 250/high			
50R00XRR					A	steady	50/max			
50A00MAR	R				14	350/max - 150/avg				
5SR00MRR	A,W		steady	50/low - 250 /high						
50*00F*R	R		steady	350/max						
50R00XRR	W									
50C00WCR	back-up									

Options

Model No.	Description
W441DIN	Deutsch® waterproof connector (3 pins) installed on cable
W442DIN	Deutsch waterproof connector (3 sockets) installed on lighthead
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.	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
LEDLOAD	in-line load resistor kit to interface with OEM turn signal circuit

600 Series Lightheads

Features:

- **Designed to meet or exceed current and proposed SAE applicable standards.**
- **Halogen: requires remote halogen flasher.**
- **Strobe: back of lighthead is fully encapsulated; supplied with AMP Mate-N-Lok® connectors; optional cables.**
- **Linear Super-LED®: single level lighting, rivals strobe in intensity with 30% of amp draw.**
- **Optional cable assemblies available, consult price list.**
- **Dual Linear Super-LED: side by side lighting, levels can be controlled separately.**
- **5mm LED: all models are encapsulated.**
- **NEW Brake/tail/turn with 2 flash patterns.**
- **Size: 4-1/8" (105mm) H x 6-1/2" (165mm) W.**

Warranty:

- **LED = 5 year / Strobe = 2 year / Halogen = 2 year (excludes bulbs)**

Models * Replace with color desired: A=Amber, C=Clear/White

Model No.	Lamp Type	Technology	Colors	Mount	VDC	Patterns	Amps in mA	Cable	Encapsulated
60F000*R	warning	halogen 60 watt	A,C	flush mount, optional mounting required	12	requires flasher	5A/max	6" pigtails	-
60F000FR			split A/C			-	575/low 2.2A/high		
60X000RR	B/T/T	halogen	R			steady	2.5A/max		
60J000CR	back-up		C			-	575/max 2.2A/high		
60X000TR	turn arrow	LED	A			requires remote power supply	power supply dependent		
602000*R	warning	strobe	A,C	surface		14	1.5A/max 400/avg	yes	
60*02F*R		linear Super-LED	A,C			requires flasher	1A/max		
60*02S*R			A,C			-	700/max 350/avg		
60A00TAR	turn arrow	5mm LED	A			2	.375A brake / .04A tail		
60BTT	B/T/T max		R			steady	350/max		
60C00VCR	back-up min		C			steady	600/max		
60C00WCR	back-up max								



Halogen / 60F000AR



Linear-LED / 60A02FAR



Strobe / 602000AU



Halogen Back-up / 60J000CR



LED Back-up Minimum 60C00VCR



LED Back-up Maximum 60C00WCR



Halogen Turn Arrow 60X000TR



LED Turn Arrow 60A00TAR



Halogen Brake/Tail/Turn 60X000RR



LED Brake/Tail/Turn, Minimum 60BTT

Available Colors

Options

Model No.	Description
64FKIT	kit to convert 600 Series to fit in old style 64 Series hole cutouts
W441DIN	Deutsch® waterproof connector (3 pins) installed on cable
W442DIN	Deutsch waterproof connector (3 sockets) installed on lighthead
6FLANGEB	Black flange kit
6EFLANGE	Chrome plated flange kit
CAST3	polished cast aluminum housing, vertical mount, 3 lamp

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

700 Series Lightheads

Features:

- **Designed to meet or exceed current and proposed SAE applicable standards.**
- **Halogen:** requires remote halogen flasher.
- **Strobe:** back of lighthead is fully encapsulated; supplied with AMP Mate-N-Lok® connectors; optional cable lengths, consult factory.
- **Combination Strobe/LED lighthead flashes simultaneously, alternating or separately.**
- **LIN® Linear Super-LED®:** rivals strobe in intensity with 30% of amp draw. Optional cable assemblies available, consult factory.
- **5mm LED:** all models are encapsulated.
- **NEW Brake/tail/turn with 2 flash patterns.**
- **Size:** 3-1/16" (78mm) H x 7-1/4" (184mm) W.

Warranty:

- **LED = 5 year / Strobe = 2 year / Halogen = 2 year** (excludes bulbs)



Strobe / 702000AU



LED Back-up minimum
70C00VCR



Linear-LED / 70A02FAR



LED Back-up maximum
70C00WCR



Halogen Back-up / 70J000CR



Halogen Amber Turn Arrow
70X000TR




Halogen / 70F000AR



LED Turn Arrow
70A00TAR

Models • Replace with color desired: A=Amber, C=Clear/White

Model No.	Lamp Type	Technology	Colors	Mount	VDC	Patterns	Amps in mA	Cable	Encap-sulated
70F000*R	warning	halogen 60 w	A,C	flush mount, optional mounting required	12	requires flasher	5A/max	6" pigtails	
70F000FR			split A/C			-	575/low 2.2A/high		
70X000RR	B/T/T	halogen	R			steady	2.5A/max		
70J000CR	back-up		C			-	575/max 2.2A/high		
70X000TR	turn arrow	LED	A			requires remote power supply	power supply dependent		
702000*R	warning	strobe	A,C	surface		14	1.5A/max 400/avg	yes	
70*02F*R		linear Super-LED	A,C			requires flasher	1A/max		
70*02S*R			A			1 & sync	0.45/avg 0.7A/peak		
70A00ZAR	turn arrow	5mm LED	A			-	900/max 450/avg		
70A00TAR			A			2	.375A brake / .04A tail		
70BTT	B/T/T min		R			-	0.45/avg 0.7A/peak		
70A00AAR	amber turn		A			steady	350/max		
70C00VCR	back-up min		C			steady	500/max		
70C00WCR	back-up max								



Halogen Brake/tail/turn
70X000RR



LED Brake/tail/turn
70BTT

Options

Model No.	Description
W441DIN	Deutsch® waterproof connector (3 pins) installed on cable
W442DIN	Deutsch waterproof connector (3 sockets) installed on lighthead
7FLANGEB	Black flange kit
7EFLANGE	Chrome plated flange kit
7CAST3	polished cast aluminum housing, vertical mount, 3 lamp

Model No.	Description
7EGRILP	Grille-Master™ Chrome housing with swivel bracket, strobe & LED only
7EGRILB	Grille-Master Black housing with swivel bracket, strobe & LED only
73FKIT	mounting kit to convert 700 Series to fit in old style 73 Series hole cutouts
LEDLOAD	in-line load resistor kit to interface with OEM turn signal circuit

Mountings available for specific vehicles, consult current price list

900 Series Lightheads

Features:

- **Designed to meet or exceed current and proposed SAE applicable standards.**
- **Halogen:** requires remote halogen flasher.
- **Strobe:** back of lighthead is fully encapsulated; supplied with AMP Mate-N-Lok® connectors; optional cable lengths, consult factory.
- **Linear Super-LED®:** single level lighting, rivals strobe in intensity with 30% of amp draw. Model with internal flasher includes flash patterns, steady-burn and Hi/Low power. Optional cable assemblies available, consult price list.
- **Dual Linear Super-LED®:** upper and lower levels can be controlled separately; rivals strobe in intensity with 30% of amp draw.
- **5mm LED:** all models are encapsulated.
- **NEW Brake/tail/turn with 2 flash patterns.**
- **Size:** 7-1/8" (181mm) H x 9-1/8" (232mm) W.

Warranty:

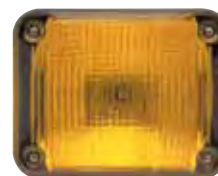
- **LED = 5 year / Strobe = 2 year / Halogen = 2 year** (excludes bulbs)



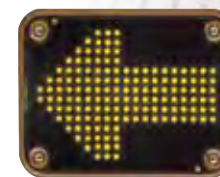
Linear Strobe / 902000AU



Halogen Back-up / 90J000CR



Halogen / 90F000AR



LED Turn Arrow 90A00TAR



Linear-LED / 90AA5SAR



Halogen Brake/Tail/Turn 90X000RR



LED Brake/Tail/Turn 90BTT

Available Colors

Models * Replace with color desired: A=Amber, C=Clear/White

Model No.	Lamp Type	Tech-nology	Colors	Mount	VDC	Patterns	Amps in mA	Cable	Encap-sulated
90F000*R	warning	halogen 60 w snap-in	A,C	flush mount, optional mounting required	12	requires flasher	5A/max	6" pigtail	-
90X000RR	B/T/T		R			-	575/low 2.2A/high		
90J000CR	back-up	27w halogen	C			steady	2.5A/max		
902000*R	warning	linear strobe	A,C			requires remote power supply	power supply dependent		
90*05F*R		Linear Super-LED	A,C			14	3A/max 800/avg		
90**5S*R						requires flasher	2A/max		
90A00TAR	turn arrow	LED	A	surface	-	1.25A/max 1A/avg	yes		
90BTT	B/T/T		R		steady	.375A brake/ .04A tail			

Options

Model No.	Description
97FKIT	kit to convert 900 Series to fit in old style 97 Series hole cutouts
W441DIN	Deutsch® waterproof connector (3 pins) installed on cable
W442DIN	Deutsch waterproof connector (3 sockets) installed on lighthead
9FLANGEB	Black flange kit, not for use with Super-LED

Model No.	Description
9EFLANGE	Chrome plated flange kit, not for use with Super-LED
90FLANGB	Black flange for Linear-LED only
90FLANGC	Chrome plated flange for Linear-LED only
LEDLOAD	in-line load resistor kit to interface with OEM turn signal circuit

M Series Super-LED® Lightheads

Features:

- **SAE Class 1 Certified (warning).**
- **Patented surface mount Linear-LED® with unique shape.**
- **Lens and reflector are sealed assembly.**
- **Replaceable light engine is accessed from rear of lens/reflector assembly.**
- **Fast and easy installation with only 2 screws.**
- **Hard coated lenses resists scratches, chemical and UV damage.**
- **Warning lights have Hi/Low feature.**

Warranty:

- **LED = 5 year**



Models

* Replace with color desired: A=Amber, C=White

Model No.	Lamp Type	Lens	C Amber olor	Mount	VDC	Patterns	Amps	Encap- sulated	Size
M2A	warning	Amber	A	surface mount via 2 screws optional flanges and pedestal mounts available	12	25 Scan-Lock including steady	1 / peak .45 / avg	yes	2-1/2" (64mm) H x 4" (102mm) W x 1" (25mm) D
M2*C		Clear	A, C						
M2WA	wide-angle warning	Amber	A						
M2W*C		Clear	A, C						
M4A	warning	Amber	A			129 Scan-Lock™	1.5 / peak 0.6 / avg		3-3/8" (86mm) H x 5-1/2" (138mm) W x 1-3/8" (35mm) D
M4*C		Clear	A, C						
M6A	warning	Amber	A			164 Scan-Lock	2.25 / peak 0.9 / avg		4-5/16" (109mm) H x 6-3/4" (170mm) W x 1-3/8" (35mm) D
M6*C		Clear	A, C						
M6BUW	back-up					C	-		
M6BTT	brake/tail/turn	Red	R			2	.85 high/.06 low		
M6T	turn	Amber	A			8	.75		
M7A	warning	Amber	A			164 Scan-Lock	2.25 / peak 0.9 / avg		
M7*C		Clear	A, C						
M9A		Amber	A				3 / peak 1.2 / avg		
M9*C		Clear	A, C						
M9BUW	back-up					C	-		1.8
M9BTTX	brake/tail/turn	Red	R			2	.75 high/.055 low		
M9T	turn	Amber	A			8	1.2		

Options

Model No.	Model	Description
M2FC	M2	Chrome plated flange
M2FB		Black flange
M2PEDB		Black pedestal mount
M2PEDC		Chrome plated pedestal mount
M2GROM		grommet mount
M4FC	M4	Chrome plated flange
M4FB		Black flange
M4FC400		Chrome flange adapts M4 to 400 Series mounting
M4BRUSH		Brush guard, black
M6FC	M6	Chrome plated flange
M6FB		Black flange
M6P15C		Chrome plated 15° angled surface mount housing
M6P15B		Black 15° angled surface mount housing
M6FC600		Chrome flange adapts M6 to 600 Series mounting
M6BRUSH		brush guard, Black

Model No.	Model	Description
M6FCV2	M6	Chrome vertical flange for 2 lightheads
M6FCV3		Chrome vertical flange for 3 lightheads
M6FCV4		Chrome vertical flange for 4 lightheads
M7FC	M7	Chrome plated flange
M7FB		Black flange
M7FC700		Chrome flange adapts M7 to 700 Series mounting
M7BRUSH	M9	brush guard, Black
M9FC		Chrome plated flange
M9FB		Black flange
M9FC900		Chrome flange adapts M9 to 900 Series mounting
M9FCZ900		Chrome flange adapts M9 Scenelight to 900 Series mounting
M9BRUSH		brush guard, Black

Mountings available for specific vehicles, consult current price list

Scenelights

Features:

- **Nine sizes to choose from.**
- **Wide variety of intensities.**
- **900 and 600 Series are surface mount.**
- **Contact factory for 24 VDC availability.**
- **M Series surface mount Scenelights feature inner optics that direct light downward without angle brackets.**
- **For optional flange or other mounting options, please see applicable lighthouse series pages.**

Warranty:

- **LED = 5 year**
- **Halogen = 2 year (excludes bulbs)**



Available Colors

Models

Model No.	Lamp Type	Technology	Degree	Diodes	Mount	VDC	Amps	Cable	Encap- sulated	Size	
60K000XR	600 Series	35 w snap-in halogen	26°	-	requires optional mounting	12	2.75A/max	6" integral leads	-	4-1/8"(105mm) H x 6-1/2" (165mm) W	
60K000YR			13°				2.75A/max			3-1/16" (78mm) H x 7-1/4" (184mm) W	
70K000ZR	700 Series		8-32°							7-1/8" (181mm) H x 9-1/8" (232mm) W	
90E000ZR	900 Series	gradient	44	300mA/max			yes		1-5/8" (41mm) H x 5" (127mm) W		
50C000ZR	500 Series			5mm LED	12				2.0/max	3-1/16" (78mm) H x 7-1/4" (184mm) W	
70C0ELZR	700 Series			Super-LED®	12				2.0/max	4-1/8"(105mm) H x 6-1/2" (165mm) W	
6SC0ENZR	600 Series		24		4.0/max				7-1/8" (181mm) H x 9-1/8" (232mm) W		
9SC0ENZR	900 Series				3.0/max				6-1/2" (165mm) H x 10-3/8" (263mm) W		
M9LZC	M9		surface		18				2.25/max	3-3/8" (86mm) H x 7-5/8" (194mm) W	
M7ZC	M7				12				2.0/max	4-5/16" (109mm) H x 6-3/4" (170mm) W	
M6ZC	M6				5.0 high				-	8" (203mm) H x 10" (254mm) W	
810CA0ZR	810 Series		27 w halogen	8-32°						-	5"(127mm) H x 8-11/16" (221mm) W
580CAAZR	508 Series										

Compartment & Interior Lighting

WHELEN

Features:

- **Model 8635CU has dual light intensity in one model.**
- **CL25 Series is 2 wire design.**
- **LED models are rated for 100,000 hours of rugged reliable use.**
- **OS Series is small enough to fit virtually anywhere in the vehicle.**
- **5G Lights can be surface mounted without cutting holes.**
- **8" round Super-LED® Series in two installation variations; with or without mounting hardware.**
- **6" Round with 6 diodes has built-in On/Off switch**

Warranty:

- **LED = 5 year**
- **Halogen = 2 year (excludes bulbs)**



Models

Model No.	Model Series	Lamp Type	Technology	Mount	Color	VDC	Amps	Cable	Encap- sulated	Size
8635CU	8635 rectangle	dual intensity interior dome	14 & 35 w snap in halogen	one piece reflector and flange	White	12	3.0A/high 1.0A/low	6" integral leads	-	8-3/16" (208mm) H x 6-7/16" (164mm) W x 2-3/4" (70mm) D
86CE1	86CE rectangle	interior dome	Super-LED				2.0A/high .20A/low			6-1/2" (165mm) H x 8-1/4" (207mm) W x 1-1/4" (32mm) D
CL25C	CL25 round	interior dome	25 w bayonet style halogen	surface			2A/high			5-7/8" (149mm) Dia. X 1-7/8" (48mm) D
OAC0EDCR	OS	step light	5mm LED	surface			60mA/avg		yes	1" (25mm) H x 1-1/2" (48mm) W x 1/2" (13mm) D
OSC0EDCR		interior or compartment					50mA/max			2" (48mm) Dia.
TOCACCRCR							2" round			3-3/16" (81mm) H x 7-7/16" (189mm) W with grommet
5GC0CCCR	5G 3 diode		Super-LED	surface			525mA/max			3-1/16" (77mm) H x 4-15/16" (124mm) W
40C00VCR	400	5mm LED	surface	0.22A/max			4-1/8" (105mm) H x 6-1/2" (165mm) W			
60J000CU	600			350mA/max			3-1/16" (78mm) H x 7-1/4" (184mm) W			
70J000CU	700						1-3/8" (35mm) H x 11-1/2" (292mm) W			
PSC0ADCR	Strip-Lite 6 diode	Super-LED	0.16A							8-1/2" (218mm) Dia. (includes flange)
PSC0CDCR	Strip-Lite 18 diode		0.48A							
3SC0CDCR	3" round		0.36A							
60C0EHCR	6" round, 18 diode		.12 A							
60C0EJCS	6" round, 6 diode		0.7A							
80C0EHCR	8" round, 18 diode	interior dome	Super-LED	Chrome flange			1.2A/high 0.13/low			
80C00EZR	8" round, 18 diode requires no mounting hardware			Chrome housing						
8WC00EZR				White housing						

For optional flange or other mounting options, please see applicable lighthouse series pages.

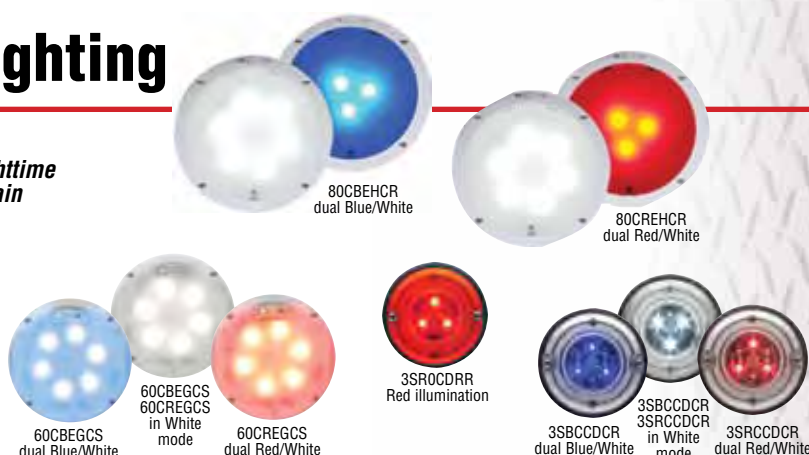
Color LED Interior Lighting

Features:

- **Super-LED® color lighting in Red and Blue for nighttime illumination reduces nighttime blindness, eye strain and eye fatigue.**
- **Models available with dual colors in same unit.**
- **8" Round models have high/low intensity capability.**

Warranty:

- **LED = 5 year**



Available Colors

Models

Model No.	Model Series	Lamp Type	Technology	Mount	Diodes	Color	VDC	Amps	Cable	Encapsulated	Size
3SR0CDRR	3" Round	interior dome or compartment	LED	surface	3	Red	12	300mA	6" integral lead	yes	3" (76mm) Dia. (includes flange)
3SRCCDCR					6	dual R/W					6" (153mm) Dia.
3SBCCDCR						dual B/W					
60CREGCS	6" Round				12	dual R/W		0.7 A (White) 0.05 A (color)			6" (153mm) Dia.
60CBEGCS						dual B/W					
80CREHCR	8" Round	interior dome	Super-LED	one piece reflector and flange	6 White 3 color	dual R/W		1.0 A- (Hi) 0.05 (Low)			8-1/2" (218mm) Dia.
80CBEHCR					9 total	dual B/W					

Fluorent Plus™ Super-LED® Interior Lighting

Features:

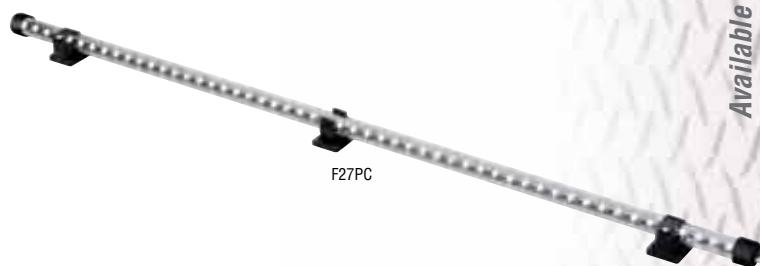
- **Super-LED 120° illumination and compartment tube lighting.**
- **Fluorent Plus utilizes two diodes per inch.**
- **Light tube can be rotated to direct light where needed using "C" clip mounting.**
- **Includes both "C" clips for snap-in mounting and "P" clips for secure mounting.**
- **Silicone rubber end caps for a superior sealed fit around tubes and wires.**
- **Custom lengths available.**
- **Dimensions: 5/8" (16mm) H x desired length. See chart.**

Warranty:

- **LED = 5 year**

Models

Model No.	Length	Amp Draw	Lumens	Candela
F09PC	9" (23cm)	120 ma	90	24
F18PC	18" (46cm)	180 ma	120	32
F27PC	27" (69cm)	392 ma	270	72
F36PC	36" (91cm)	512 ma	360	96
F45PC	45" (114cm)	600 ma	450	120
F54PC	54" (137cm)	720 ma	540	144
F63PC	63" (160cm)	920 ma	690	184



Available Colors



"C" clip for snap-in mounting



"P" clip for secure mounting

PAR-36/46 Super-LED® Work Lights

Features:

- Choose floodlight or spotlight models.
- Black heavy-duty cast aluminum housing.
- Ultra bright Super-LED with low current draw.
- Stainless steel bracket and hardware included.
- Two intensities available.
- For 24 VDC models, contact factory.

Warranty:

- LED = 5 year



Stud/swivel mount with On/Off switch



PFBS12 Stud/swivel mount



PFBP12C showing T-Handle with Chrome cover and pedestal swivel mount

Available Color

Floodlight Models

Model No.	Diodes	Amps	Lumens	Mount	Switch	Handle	Rear Cover
PFBP12	12	1.7	1000	pedestal swivel	built-in on/off switch	yes	Black
PFBP12C							Chrome
PFBP6	6	.85	500	pedestal swivel	built-in on/off switch	yes	Black
PFBP6C							Chrome
PFBS12	12	1.7	1000	stud/swivel	-	-	Black
PFBS12C							Chrome
PFBS6	6	.85	500	stud/swivel	-	-	Black
PFBS6C							Chrome
PFBS6S	6	.85	500	stud/swivel	built-in on/off switch	-	Black
PFBS12S							Black

Spotlight Models

Model No.	Diodes	Amps	Lumens	Mount	Switch	T-Handle	Rear Cover
PSBP12	12	1.7	1000	pedestal swivel	built-in on/off switch	yes	Black
PSBP12C							Chrome
PSBP6	6	.85	500	pedestal swivel	built-in on/off switch	yes	Black
PSBP6C							Chrome
PSBS12	12	1.7	1000	stud/swivel	-	-	Black
PSBS12C							Chrome
PSBS6	6	.85	500	stud/swivel	-	-	Black
PSBS6C							Chrome
PSBS6S	6	.85	500	stud/swivel	built-in on/off switch	-	Black
PSBS12S							Black

Hand Held Spot/Floodlights

Features:

- Hand-held work light.
- 90# pull magnet mount with 8' coiled cord and cigar plug.
- Waterproof durable built-in push-button On/Off switch.

Model No.	Lighting	Diodes	VDC	Amps	Lumens	Mount
P36HHS	spot/flood	6	12/24	0.85 @ 12 VDC 0.425 @ 24 VDC	500	hand-held includes magnet
P46HHS	floodlight	18	12	2.3	1800	hand-held includes magnet



Rubber Housing Spot/Floodlights

Features:

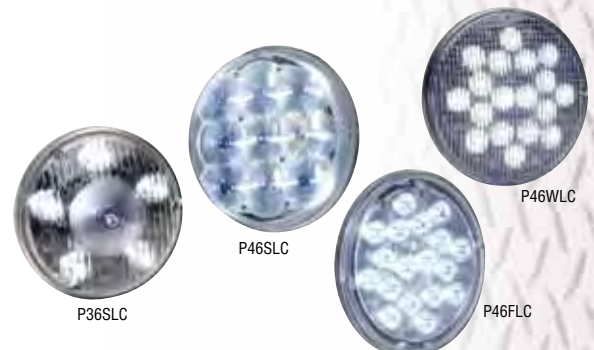
- Rubber stud/swivel housing.
- Available with or without lighthouse.

Model No.	Lighting	Diodes	VDC	Amps	Lumens	Mount
P36SLCHG	spot/flood	6	12/24	0.85 @ 12 VDC 0.425 @ 24 VDC	500	stud/swivel
P46SLCHG	spotlight	9	12	2.3	1800	



Replacement Lamps

Model No.	Model	Lighting	Diodes	VDC	Amps	Lumens
P36SLC	PAR-36	spot/flood	6	12/24	0.85 @ 12 VDC 0.425 @ 24 VDC	500
P46SLC	PAR-46	2° spotlight	9	12	2.3	1800
P46FLC		8° spotlight	18		1.9	1600
P46WLC		20° high x 60° wide floodlight	18		1.9	1600



Micro Pioneer™ Super-LED® Work Lights



Available Colors

Features:

- Rugged, die-cast aluminum powder coated housing in Black or White.
- Rated to last thousands of hours with remarkable bright light.
- 8° spotlight pattern, comes standard. Includes three additional optic lenses for a light pattern choice of:
90° x 20° wide flood
40° x 20° flood
40° x 8° horizontal flood
- Optic lens changes easily via four screws in picture frame fixture.
- Four mountings available:
 - Powder coated stainless steel bail bracket with 3/8" stud carriage bolt mount.
 - Two recessed mounts available with Chrome flange for straight out or 15° downward angle.
 - Heavy-duty pedestal/swivel available with Chrome or Black back cover and On/Off switch.
- Models available in 24 volts, contact factory.

Warranty:

- Five-year HDP® Heavy-Duty Professional warranty.

Models

Model #	Housing	Housing Color	Switch	Volts	Amps	Watts	Cable	Lumens	Size with mounting
MPBW	bail/stud	White	-	12	3.6A	45	6 foot	3800	4-5/8" (118mm) H x 4-3/4" (121mm) W x 3-1/8" (80mm) D
MPBB		Black							
MPRW	recessed Chrome straight flange	White							6-1/8" (155mm) H x 6-11/16 (170mm) W x 2-7/8" (72mm) D
MPRB		Black							
MPR15W	recessed Chrome 15° downward angled flange	White							
MPR15B		Black							
MPPW	pedestal/swivel	White							includes On/Off switch
MPPB		Black							
MPPWCS		White with Chrome back cover							
MPPBCS		Black with Chrome back over							
MPPBBS		Black with Black back cover							

Pioneer Nano™ Super-LED® Work Lights

NEW!!

Features:

- Available in 3 or 6 diode models.
- Rugged, die-cast aluminum powder coated housing in Black or White.
- Rated to last thousands of hours with remarkable bright light.
- 8° spotlight pattern, comes standard. Includes additional optic lens for a light pattern choice of 40° x 20° flood.
- Optic lens changes easily via four screws in picture frame fixture.
- Powder coated stainless steel bail bracket with 3/8" stud carriage bolt mount.

Warranty:

- Five-year HDP® Heavy-Duty Professional warranty.



Available Colors

Model #	Diodes	Housing	Housing Color	Volts	Amps	Watts	Cable	Lumens	Size with mounting
NP3BW	3	bail/stud with 3/8" carriage bolt	White	12	1	12.8	6 foot	1100	2-1/4" (57mm) H x 3.5" (89mm) W x 1-3/4" (44mm) D
NP3BB			Black						
NP6BW	6		White		1.5	19.6		1800	3" (76mm) H x 3.5" (89mm) W x 1-3/4" (44mm) D
NP6BB			Black						



Pioneer SlimLine™ Series Super-LED® Work Lights



Features:

- Rugged, die-cast aluminum powder coated housing.
- Rated to last thousands of hours with remarkable bright light.
- Single lamp models include 8° spotlight lens supplied on lighthead and one additional lens supplied for light dispersion of 40°x 20° flood.
- Dual lamp models include 8° spotlight lens supplied on lighthead, and two additional lenses are supplied for light dispersion of 40°x 20° flood and 8°spot/40°x 20° flood.
- Available in 24 Volt models, contact factory.
- Recessed mount models available in straight and 15° downward angle with chrome trim flange. Available in 12 and 24 volt and White or Black housing. Contact factory.
- Bail bracket works for horizontal and vertical mounting positions.

Warranty:

- Five-year HDP® Heavy-Duty Professional warranty.



PSL1B



PSL2BB



PSL1P



PSL2P



PSL1R



PSL2R

Available Colors

Models

Model #	Housing	Lamp	Housing Color	Volts	Amps	Watts	Cable	Lumens	Size including mounting
PSL1B	Bail/Stud	single	White	12	3	35	20'	3600	3-1/4" (82mm) H x 2-1/8" (55mm) D x 6-7/8" (175mm) W
PSL1BB			Black						
PSL2B		dual	White		6.1	78.3		7300	3-1/4" (82mm) H x 2-1/8" (55mm) D x 12-1/2" (317mm) W
PSL2BB			Black						
PSL1R	Recessed Chrome straight flange	single	White		3	35		3600	6-3/8" (160mm) H x 2" (51mm) D x 9-7/8" (251mm) W
PSL1RB			Black						
PSL2R		dual	White		6.1	78.3		7300	6-5/8" (168mm) H x 2/5/8" (65mm) D x 15-1/2" (394mm) W
PSL2RB			Black						
PSL1R5	Recessed Chrome 15° downward angled flange	single	White		3	35		3600	6-3/8" (160mm) H x 2" (51mm) D x 9-7/8" (251mm) W
PSL1R5B			Black						
PSL2R5		dual	White		6.1	78.3		7300	6-5/8" (168mm) H x 2/5/8" (65mm) D x 15-1/2" (394mm) W
PSL2R5B			Black						
PSL1P	Low profile pedestal/swivel	single	White		3	35		3600	5-5/8" (143mm) H x 1-7/8" (48mm) D x 6-7/8" (175mm) W
PSL1PB			Black						
PSL2P		dual	White		6.1	78.3		7300	5-5/8" (143mm) H x 1-7/8" (48mm) D x 12-1/2" (317mm) W
PSL2PB			Black						



Pioneer™ Series Super-LED® Work Lights

MTO

Features:

- Replaces similar HID floodlights.
- Surface mount Super-LED floodlight in ten intensities.
- Low amp draw.
- Spotlights are available in single lamp 2° and 8° models and a dual lamp Floodlight/8° Spotlight combination.
- Available in 12, 24 VDC and UL® approved 120 volt AC.
- For 24 volt models, contact factory.
- Instant On/Off, no ramp up time to achieve full intensity.
- Rugged powder coated cast aluminum housing.
- Bail bracket mounts are adjustable up to 25°, semi-recessed mount is 0° or 15° for maximum light effectiveness.
- No ultraviolet light that attracts insects during night operation.
- Pole mount models available, contact factory.
- Pioneer Plus™ offers twice the brightness in the same size housing as the regular Pioneer.

Warranty:

- Five-year HDP® Heavy-Duty Professional warranty.



Lighthead Models



Available Color



Model	Series	Lamp Type	Housing Color	Volts	Amps	Watts	Lumens	Size		
PFA1	Pioneer floodlight	single	White	12.8	3.1	39.7	3,700	Single Lighthead: 4-1/8" (105mm) H x 2-1/2" (64mm) D x 8-1/8" (206mm) W		
PFA2		dual			6.1	78.8	7,400			
PFA1B		single	Black		3.1	39.7	3,700			
PFA2B		dual			6.1	78.1	7,400			
PFP1	Pioneer Plus™ floodlight	single	White		6.5	73.2	8,100			
PFP2		dual			13	166.4	16,000			
PFP1B		single	Black		6.5	83.2	8,100			
PFP2B		dual			13	166.4	16,000			
PTP1	Pioneer Plus spotlight	single 2°	White		6.5	83.2	8,000	Dual Lighthead: 4-1/8" (105mm) H x 2-1/2" (64mm) D x 14" (356mm) W		
PSP1		single 8°			6.5	75	8,000			
PCP2	Pioneer Plus spotlight/floodlight	dual combination floodlight & 8° spotlight			12	75/75	8,000/8,000 16,000 total			
PCP3	Pioneer Max™ spotlight/floodlight	combination dual floodlight & dual 8° spotlight			White	16.5	225		20,000	6-1/16" (155mm) H x 3" (76mm) D x 14-1/16" (357mm) W
PCP3B					Black					
120 VOLT AC UL® CERTIFIED MODELS										
PFP1AC	Pioneer Plus floodlight	single	White	120 AC	.6	75	7,500	Single Lighthead: 4-1/8" (105mm) H x 2-1/2" (64mm) D x 8-1/8" (206mm) W		
PFP2AC		dual			1.2	150	15,000			
PSP1AC	Pioneer Plus 8° spotlight	single			.6	75	7,500			
PCP2AFS	Pioneer Plus spotlight/floodlight	dual flood - Left spot - right			1.2	150	15,000	Dual Lighthead: 4-1/8" (105mm) H x 2-1/2" (64mm) D x 14" (356mm) W		
PCP2ASF		dual flood - right spot - left								
PCP3A	Pioneer Max spotlight/floodlight	combination dual floodlight & dual 8° spotlight	Black		1.5	180	17,000	6-1/16" (155mm) H x 3" (76mm) D x 14-1/16" (357mm) W		
PCP3AB										



Pioneer™ Series Mounting Options

PBAPEDA/ PBAPEDD

Pedestal
mount
adapter



PBA103/PBA203

Semi recessed mount
with Chrome trim ring



Mounting Options (Lightheads Purchased Separately)

Model #	Series	Lamp	Description	Size
PBAPEDA	mounting options only for Pioneer and Pioneer Plus™ lightheads	single & dual	pedestal mount adapter for AC models, includes 20' of 3-C cable	4-1/2" (115mm) H x 3-1/8" (79mm) D x 3-1/8" (79mm) W
PBAPEDD			pedestal mount adapter for DC models, includes 20' of 4-C cable	
PBA103		single	semi-recessed mount with Chrome trim ring, housing mounts the floodlights straight out or at 15° downward angle.	7-5/8" (194mm) H x 3-3/4" (82mm) D x 11-7/8" 208mm) W
PBA203		dual		7-15/16" (201mm) H x 3-3/4" (82mm) D x 17-3/16" (436mm) W
PBA106U		single	universal bail bracket tilts up/ down, adjustable to 25° upward or downward angle.	4-5/8" (118mm) H x 3-3/16" (80mm) D x 8-3/16" 208mm) W
PBA206U		dual		4-5/8" (118mm) H x 3-3/16" (80mm) D x 14" 357mm) W

Pedestal/Swivel Mounting (Lighthead Included with Mounting)

PBA106U/PBA206U

Universal bail bracket



PFP1LP

Low profile pedestal/swivel mount



Model #	Series	Lamp	Lamp Type	Voltage	Housing	Size
PFA1LP	Pioneer	single	floodlight	12 VDC	White	7" (158mm) H x 3-1/8" (80mm) D x 8-3/16" 208mm) W
PFA1LPB					Black	
PFP1LP	White					
PFP1PB	Black					
PSP1LP	White					
PSP1LPB	Black					
PTP1LP	White					
PTP1LPB	Black					
PSP1ALP	8° spotlight		120 VAC	White		
PSP1ALPB				Black		

Freedom Lightbar Mounting

Designed for the Freedom™ LED Lightbar flashing/steady-burn flasher module, standard in each bar. This option allows you to mount one or two lamp Pioneer or Pioneer Plus floodlights with 20° adjustable angle without having to drill mounting and wire holes on your vehicle. Accommodates Freedom lightbars 55" and up. Includes all mounting hardware.



Mounting	Series	Lamp	Description
PFA1LB1	Pioneer	single	one Pioneer, center mounted for 55" and up
PFA1LB2			two Pioneers with mounting brackets for 72" and up
PFA2LB1		dual	one Pioneer, center mounted for 55" and up
PFA2LB2			two Pioneers with mounting brackets for 72" and up
PFP1LB1	Pioneer Plus	single	one Pioneer Plus, center mounted for 55" and up
PFP1LB2			two Pioneer Plus with mounting brackets for 72" and up
PFP2LB1		dual	one Pioneer Plus, center mounted for 55" and up
PFP2LB2			two Pioneer Plus with mounting brackets for 72" and up

Pioneer™ Series Mounting Options

Pedestal/Pole Mounting (Lighthead Included with Mounting)



PFA1P1
Pole/Ped mount
with handle
and switch



PFA2P1
Pole/Ped mount with
handle, without switch



PFA3P1
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 extended LED life and performance. Shown with removable handle, pole pedestal mount with switch.

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

Pioneer™ Series Pole Mounting Options

3000 & 3100 Series Pole Mounting Options

(Lighthouse Purchased Separately)

Features:

- 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 inch outer body, 57" adjustable pole assembly.
- 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.

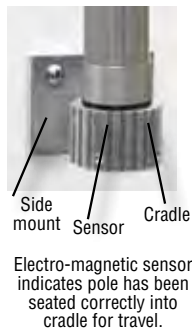
Warranty:

- Five-year HDP® Heavy-Duty Professional warranty.

Side mount stand-off mounting brackets



Side mount outer body grab handles



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

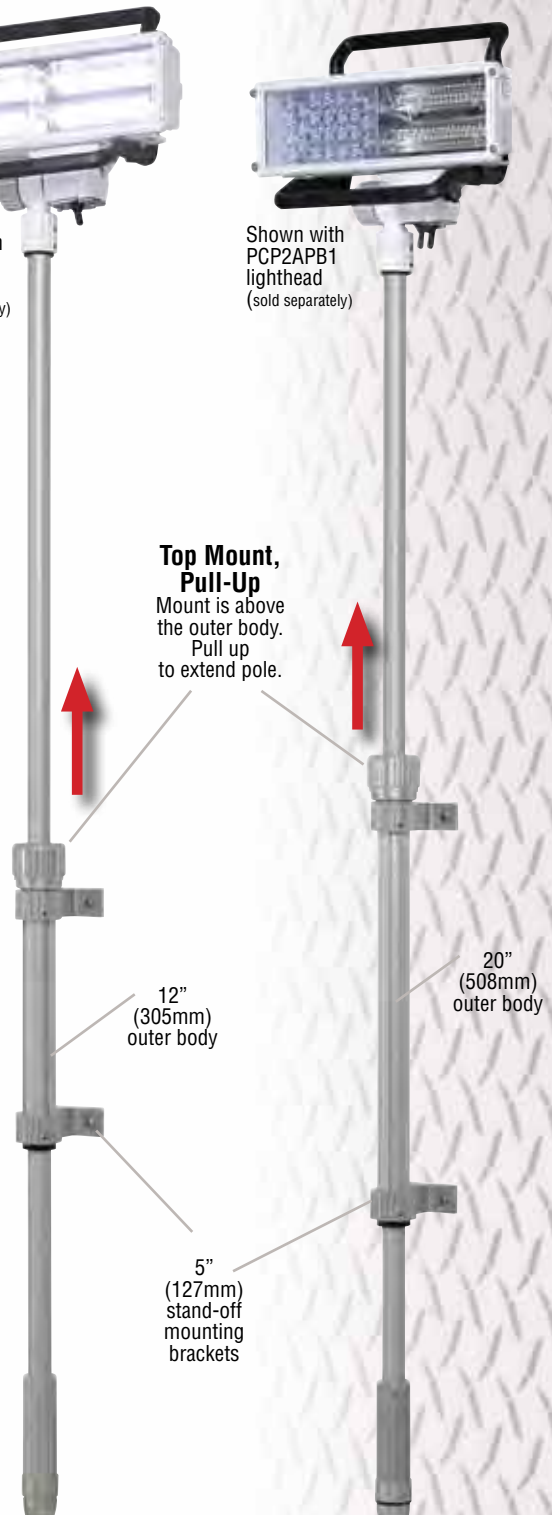
3000 Series - 57" Side Mount Pole Assemblies



Top Mount - Pull-Up

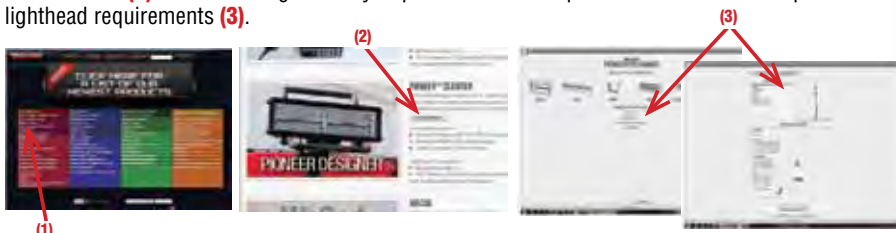


Top Mount, Pull-Up Mount is above the outer body. Pull up to extend pole.



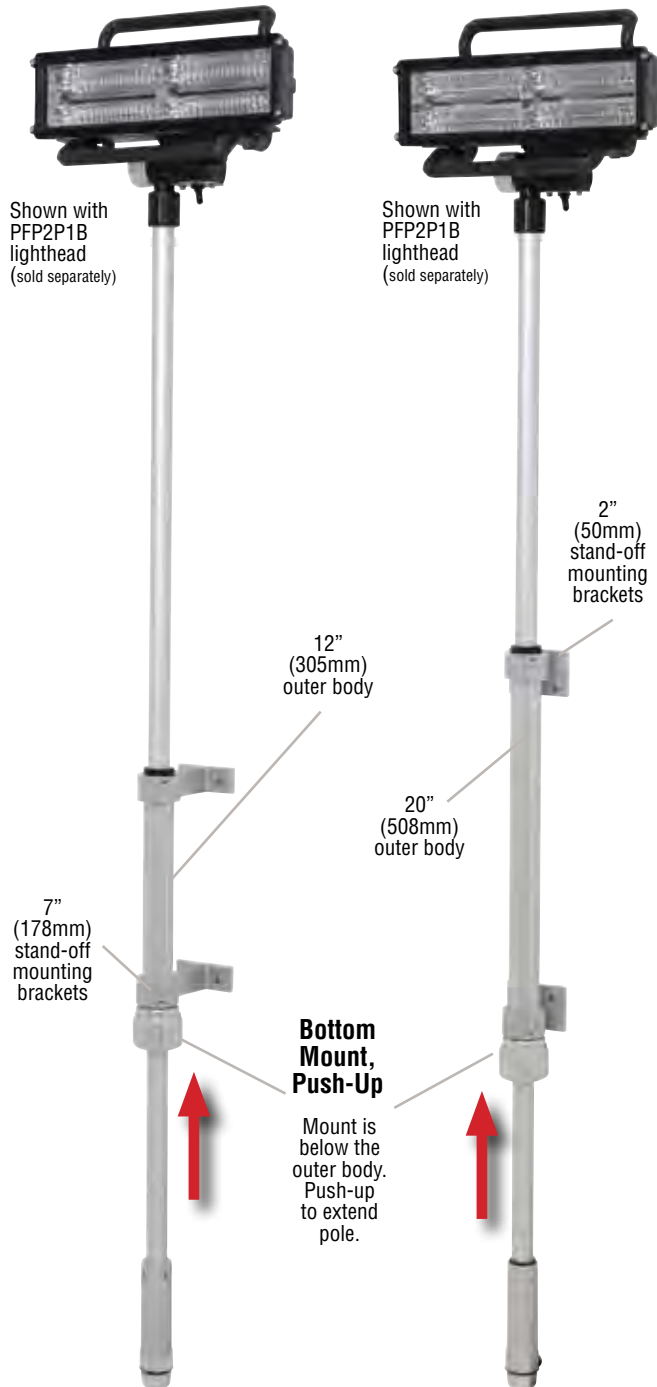
Pioneer™ Designer Program

Build or customize your Pioneer lighthouse mounting with "Whelen's Pioneer Designer" download from our website, www.whelen.com. From the home page, go to **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 lighthouse requirements **(3)**.

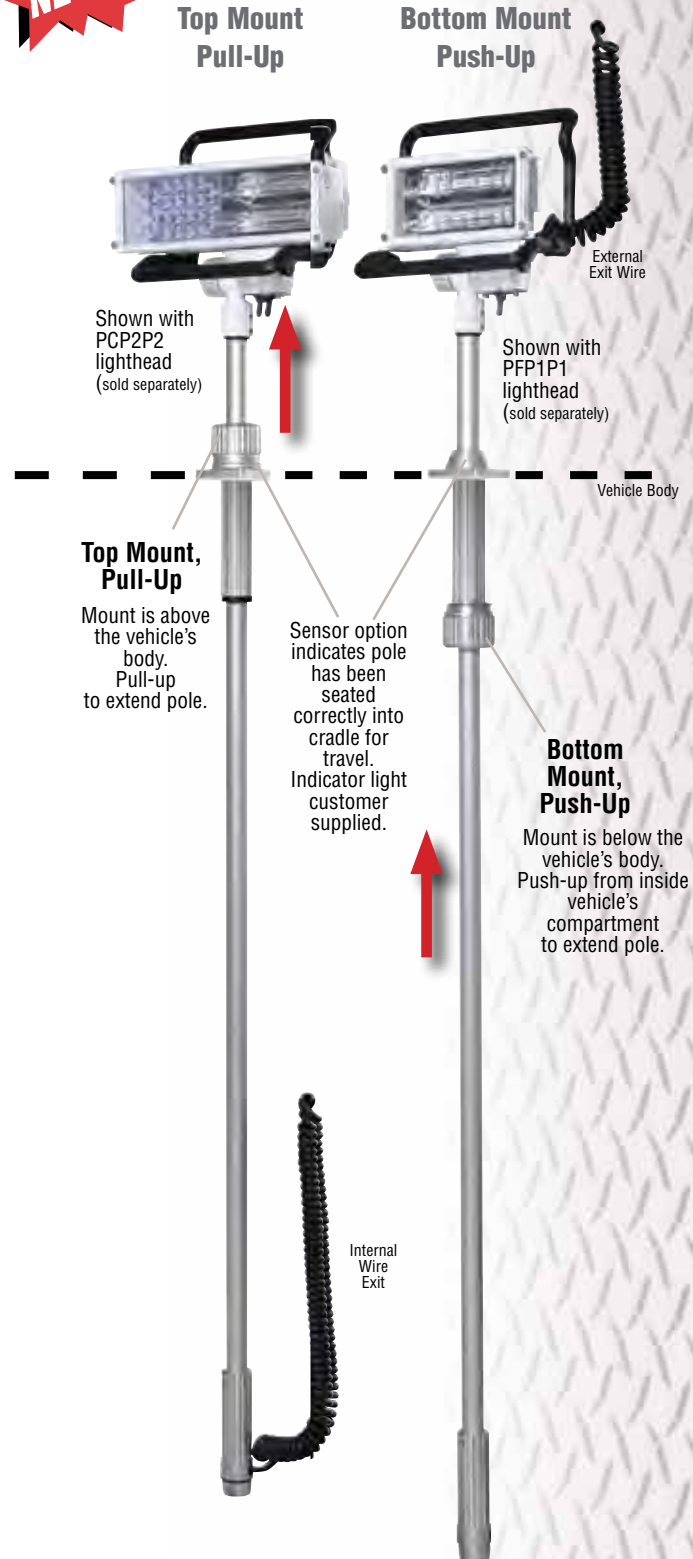


Pioneer™ Series Pole Mounting Options

3000 Series - 57" Side Mount Pole Assemblies Bottom Mount - Push-Up



3100 Series - 57" Thru Mount Pole Assemblies



Pioneer™ Series Mounting Options

WHELEN

3200 Series Folding Tripod AC Pole Assemblies

(Lighthead Purchased Separately)

Features:

- 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 plug.
- All moving aluminum parts are isolated with nylon bushings for superior industry leading adjustment and fold outs.
- All inner poles, outer bodies and folding legs 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.

Warranty:

- Five-year HDP® Heavy-Duty Professional warranty.

Lower folding tripod mounting cradle
Model 8728301



Folded tripod in mounting cradle

Upper tripod quick disconnect mounting bracket.

Large 50"

Medium 40"

Small 30"

Large tripod shown at maximum 42.25" extension.



3300 Series Ground Tripods

(Lighthead Purchased Separately)

Features:

- 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.

Warranty:

- Five-year HDP® Heavy-Duty Professional warranty.



Shown with optional plug.



Ground tripod with stationary quick disconnect mount.



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



Quick disconnect mount attaches to ground tripod mount.



Optional Model 8728302 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.

Pan & Tilt™ Super-LED® Spotlight

Features:

- *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.*

Warranty:

- *LED = 5 year*



Available Colors

Models

Model No.	Mount	Controller	Base	Lens	Amps	Lumens	VDC
PT360P	permanent	wired	polycarbonate	hard coated polycarbonate to resist scratches and UV damage	2 A (max)	1475	12
PT360PW		wireless					
PT360F	flange	wired					
PT360FW		wireless					

PAR-36 Heavy-Duty Super-LED Work Light

Features:

- *Rugged heavy-duty cast natural aluminum housing.*
- *Includes stainless steel pedestal/swivel mount.*
- *Deutsch waterproof connector.*
- *Mounts standing or hanging.*
- *24 VDC available, contact factory.*

Warranty:

- *5 year*



Available Colors

Models

Model No.	Lighting	Diodes	Lumens	VDC	Amps	Size
3PC0C0CD	spotlight	9	1,000	12	1.70	6-3/4" (171mm) H x 2-1/2" (64mm) D x 4-3/4" (121mm) W (without mounting)

Power Supplies

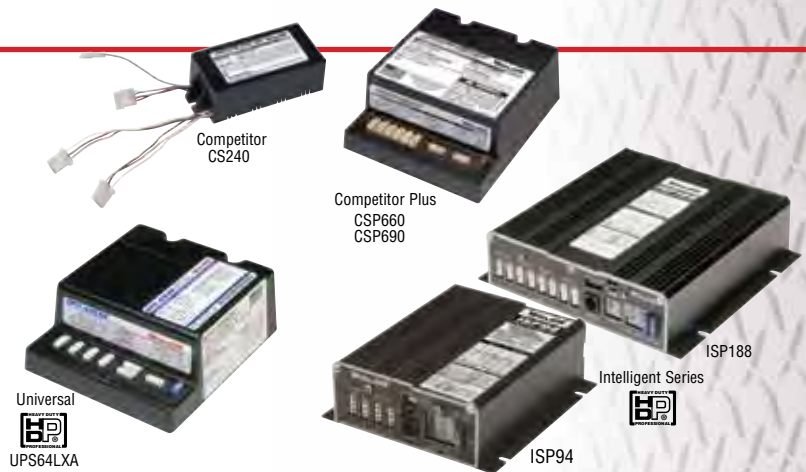
Features:

- **Certified as system component to SAE & California Title XIII specifications.**
- **Manual Hi/Low intensity control.**
- **Input reverse polarity and output short circuit protection.**
- **UPS Series: RFI suppression, with less than 1db degradation.**
- **UPS & ISP Series: Input current and output power regulation (these features allow you to mix different styles of strobe flash tubes and deliver maximum output to all).**

Warranty:

- **Competitor™ & Competitor Plus™ = 2 year**
- **Universal® & Intelligent™ = 5 year**

Models



Model No.	Model Series	Out-lets	Watt Input	Watt Output	Outlet Switching	Alt/ Simul Flash	VDC	Flash Patterns	Encap-sulated	Housing	Con-nectors	Size		
CS240	Competitor	2	54	40	-	1x1	12/24	10 Scan-Lock™	yes	composite	AMP	1-3/4" (44mm) H x 6-1/2: (165mm) W x 2-1/2" (64mm) D		
CSP660	Competitor Plus	6	77	60	2x4	3x3			12			conformal coated circuit boards	cast alum.	2-1/2" (64mm) H x 5-7/8" (149mm) W x 6-3/4" (171mm) D
CSP690			120	90										12/24
UPS64LXA	Universal	4	90	75	2x2	2x2	12	16 + TA		2-5/8" (67mm) H x 8-5/8" (219mm) W x 9-1/8" (232mm) D				
ISP94	Intelligent		115	90										
ISP188		8	230	180	2x2x4	4x4								

For Power Supply Guide, see power supplies at www.whelen.com

Flashers

Features:

- **Polycarbonate housing.**
- **Fully encapsulated for moisture and vibration protection.**
- **UHF Series has external mounting flanges.**

Warranty:

- **2 year**

Models



Model No.	Useage	Solid State	Outlets	Outlet Switching	Amps per Outlet	VDC	Flash Patterns	Encap-sulated	Size
SSFPOS	positive switching headlights	100%	2 outlets	1x1	12.5	12	7	yes	7/8" (22mm) H x 2" (50mm) W x 2-3/4" (70mm) D
UHF2150A	positive or negative switching headlights	controlled relay output					4 outlets 4 channels		2x2
ULF44	LED lighthead		4 outlets 4 channels	2x2	5		62 alt/simul		3/4" (26mm) H x 2-3/4" (70mm) W x 3-1/2" (89mm) D
UFM8	halogen/LED lighthead		4 outlets	2x2x2x2	5		17		3/4" (26mm) H x 2-3/4" (70mm) W x 3-1/2" (89mm) D

Options

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

NEW!!

WHELEN

Power Control Centers and Switches



Features:

- Adjustable bail bracket mounting.
- Back-lighted function windows for choice of 72 standard press-on legend tabs.
- PCC8R's basic eight position keypad with remote relay box is ideal for DOT, Tow and Wrecker vehicles.
- Hand held or mounted to the dash or console, the WCC9 replaces the standard ECM (Electronic Control Module) on WeCan® lightbars.

Warranty:

- 2 year

Power Control Models

Model No.	Type and Usage	No. of Switches	Switch type	LED "On" Indicator	Installation	VDC	Size		
 PCCS9RW	high current center for lightbars/lighting systems without need for separately mounted relays or relay boxes	6 push-buttons and 1 four position dip switch programmable slide switch for 3 primary functions	6 On/Off, momentary 20 amp relays	yes	11 fast-on for outputs 4 pos AMP Mate-N-Lok® -for control 2 pos Molex Mini Fit SR® - for power	12	1-7/8" (47mm) H x 6-1/8" (156mm) W x 6-1/4" (159mm) D		
PCCS9NP	economical control center for use with Freedom™, & Liberty™ lightbars		5 On/Off, 1 programmable On/Off switch		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	SPST, lighted switches	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	6-25 amp		8 position rear connector block		2-1/4" (57mm) H x 6-5/8" (1662mm) W x 3-5/8" (92mm) D		
PCC6W1			5 25 amp, 1 momentary						
PCC10W		10	20 amp					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
 PCC10W1			9 20 amp, 1 momentary						
PCC8R	eight position key pad with remote relay box	8	3 20 amp relays and 5 10 amp relays						
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	6 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

Switch Panel Models

Model No.	Type	Usage	No. of Switches	Switch Type	Illuminated
1SWITCH	"L" shaped aluminum switch bracket only	for 1 switch	optional	-	-
2SWITCH		for 2 switches			
3SWITCH		for 3 switches			
4SWITCH		for 4 switches			
PC1	switch only with 15 amp contact	On/Off	1 each	SPST	yes
PC2		momentary On			-
PC3		On/Off/On		SPDT	yes
PC4		On/On			-
PC5		On/Off/On		DPDT	-
PC5S		strobe Hi/Off/Low			-



Wing Plow™ Series

Features:

- LED modules are fully encapsulated and are vibration, water and salt/chemical resistant.
- Two styles of Amber lightheads provides complete coverage whether snowplow wing is in the operation position or in the stowed travel position.

Warranty:

- LED = 5 year



WPL0W2A

WPL0W1A



WPL0W3AA



WPL0WZ1A



WPL0WZ2A



Available Colors

Models

Model No.	Usage	Lighting	Flash Patterns	Cable	VDC	Housing
WPL0W1A	for when plow is in use	TIR3™ Super-LED® with built in flasher	24 Scan-Lock™ plus steady	20' heavy-duty TPR with built in strain relief connectors	12	rugged cast aluminum
WPL0W2A	for when plow is stowed for travel					
WPL0W3AA	includes both of above lightheads for complete coverage					
WPL0WZ1A	for when plow is in use	LINZ6™ Super-LED with built in flasher	24 Scan-Lock™ plus steady	20' heavy-duty TPR with built in strain relief connectors	12	rugged cast aluminum
WPL0WZ2A	for when plow is stowed for travel					
WPL0WZ3AA	includes both of above lightheads for complete coverage					

Options

Model	Description
W441DIN	Deutsch® waterproof 3 pins and connector kit, cable end
W442DIN	Deutsch waterproof 3 sockets and connector kit, lighthouse end



Safety Site™

Features:

- Super-LED traffic control for temporary warning.
- Safe alternate to flares.
- May be used horizontal or vertical position.
- 5-7 mile visibility range.
- Sold as single modules or in a kit of 5 in a compact Cordura® duffle bag.

Warranty:

- 5 year



W20SS

W20SSRK

Models

Model No.	Lighting	Power	Color	Product	FPM	Size
W20SS	Super-LED emitter	requires three alkaline size C batteries for approx. 100 hours of use	Red	single emitter	4 flash patterns	4-1/4" (109mm) H x 4-3/4" (121mm) W x 3" (76mm) D
W20SSRK				5 pack kit		

Hide-A-Way Strobe Systems

Features:

- **Universal headlight and taillight flashing systems.**
- **Each system includes 4 Hide-A-Way strobe lighthead with 15' cables, connectors and remote strobe power supply.**
- **Substitute cables available.**

Warranty:

- **Power supply = 2 year / Strobe Tube = 1 year**



Models

Model No.	No. of Outlets	Watts	No. of Lamps	Housing	Connectors*	Encapsulation	VDC	Control	Switching	Patterns	Cable
S240CC	2	40 output	2 strobe	Clear, flange	AMP Mate-N-Lok®	yes	12/24	manual Hi/Low control	1 x 1	10 Scan-Lock™ patterns	2-15'
S660CCCC	6	60 output	4 strobe	Clear, soft plug/screw-in		conformal coated circuit boards			12		simultaneous or alternating flash lighthead groups 3x3
S660AAAA				Amber, flange							
S690CCCC		Clear, flange									
S690AAAA		Amber, flange									
S690AACC		2 Clear, flange & + 2 Amber, flange									

Strobe Substitute Cables

Model No.	Description
SEXT20	20' cable w/ AMP connector
SEXT25	25' cable w/ AMP connector
SEXT30	30' cable w/ AMP connector
SEXT20D	20' cable w/ Deutsch connector*
SEXT25D	25' cable w/ Deutsch connector*

* Connectors at remote end of cable & strobe tube

Shielded 3-Conductor Extension Cables

Model No.	Description
EXT15	15' cable w/ AMP connector
EXT20	20' cable w/ AMP connector
EXT25	25' cable w/ AMP connector
EXT30	30' cable w/ AMP connector
EXT40	40' cable w/ AMP connector
EXT5WD	5' cable w/ Deutsch® waterproof connector*
EXT10WD	10' cable w/ Deutsch waterproof connector*
EXT15WD	15' cable w/ Deutsch waterproof connector*
EXT20WD	20' cable w/ Deutsch waterproof connector*
EXT25WD	25' cable w/ Deutsch waterproof connector*
EXT30WD	30' cable w/ Deutsch waterproof connector*
EXT40WD	25' cable w/ Deutsch waterproof connector

Strobe Replacement Parts

Model No.	Description
S30HAA	strobe tube only, Amber, flange style, AMP
S30HAAD	strobe tube only, Amber, flange style, Deutsch®
S30HAC	strobe tube only, Clear, flange style, AMP
S30HACD	strobe tube only, Clear, flange style, Deutsch
S30HACP	strobe tube only, Clear, plug/screw-in style, AMP
S30HACPD	strobe tube only, Clear, plug/screw-in style, Deutsch
HA239C	strobe tube with 15' cable, Clear, plug/screw-in style, AMP
HA239CD	strobe tube with 15' cable, Clear, plug/screw-in style, Deutsch
HA238A	strobe tube with 15' cable, Amber, flange style, AMP
HA238AD	strobe tube with 15' cable, Amber, flange style, Deutsch
CSP660	6-outlet, 60 watt power supply
CSP690	6-outlet, 90 watt power supply

Connector Kits

Model No.	Description
A441A	3 pins and connector, AMP (cap)
A442A	3 sockets and connector, AMP (plug)
A444A	2 pins and connector, AMP (cap)
A446A	2 sockets and connector, AMP (plug)
W441D	3 pins and connector, waterproof Deutsch
W441D14	3 pins and connector kit, waterproof Deutsch for DOT TPR cable
W442D	3 sockets and connector, waterproof Deutsch
W444D	2 pins and connector, waterproof Deutsch
W446D	2 sockets and connector, waterproof Deutsch

Electronic Back-Up Alarms

Features:

- Meets OSHA, Bureau of Mines, all State regulations.
- Glass filled nylon housing.
- Encapsulated solid-state electronics.
- Steam cleanable; pressure washable.
- Mount horizontally or vertically.

Warranty:

- 1 year



Models

Model No.	Decibels	SAE Code	VDC	Size
WBUA97	97	SAE J994 - Type C	12/24	2-3/4" (69mm) H x 1-1/2" (38mm) D x 4" (102mm) W
WBUA107	107	SAE J994 - Type B		2-3/4" (69mm) H x 1-1/2" (38mm) D x 4" (102mm) W
WBUA112	87-112	--		4" (101mm) H x 2-7/8" (73mm) D x 5-1/8" (130mm) W
WBUA112C	112	SAE J994 - Type A		4" (101mm) H x 2-7/8" (73mm) D x 5-1/8" (130mm) W

FleetRack™ Truck Rack for Emergency Lighting

Features:

- Mounts a variety of emergency lighting including full size or mini lightbars, beacons, auxiliary lighting and flood or spot lights.
- Super heavy-duty pre-formed steel construction with Black powder coating.
- Secures to pickup body without drilling, moves easily from vehicle to vehicle.
- Pre-drilled access holes accommodate a wide range of lighting.
- Wiring channels protect and cover wiring for security, long-life serviceability and neat, professional appearance for your truck.
- Options include auxiliary wing brackets, bolt-in horizontal slat brackets and steel mesh window protection.



Base Models

Model No.	Fits Vehicle
FR01	2012 Ford Super-Duty
FR02	2012 Ford F150
FR03	2012 Chevy Silverado and 2500 Series

Optional Kits

Model No.	Model	Fits Vehicle
FRCS	center window screen guard	2012 Ford F150 Chevy Silverado and 2500 Series
FRWS	wing window screen guard	
FRCSSD	center window screen guard	2012 Ford Super-Duty
FRWSSD	wing window screen guard	
FRCB	center window bar guard	Fits All
FRWB	wing window bar guard	
FRCBM	Whelen beacon center mount bracket	
FREBM	Whelen beacon end or corner mount bracket	

DOT-LED® Super-LED® Legal Lighting Systems



- All Whelen DOT3® Legal Lighting Systems are certified by an AMECA-accredited testing laboratory to meet or exceed SAE Class 1 warning lighting requirements in the appropriate specified safety colors.
- Super-LED offers all the impact of strobe with low amp draw.
- High and wide lighting profile identifies and defines the size and speed of a highway vehicle.
- Increased rear-end visibility with wide-angle long lasting Super-LED lighthoods visible even when dump body is in raised or lowered position, including forward dump bodies.

- All warning lighthood colors are Amber. For other colors, contact factory.
- The system offers multiple flash patterns and sequence options to provide improved reference for motorists in determining the distance to and location of maintenance vehicles.
- Each system includes complete installation kit, including cable harnesses.
- Optional aluminum housings available.
- Five year HDP® Heavy-Duty Professional warranty.

DOT3 System Components

Front System Components

Choice of four Super-LED models with 360° warning visibility for front coverage. Includes 60' of heavy-duty TPE cable.

Micro Freedom™



3-3/4" (95mm) H x 9-5/16" (236mm) D x 12-5/16" (312mm) L

Micro 400



3-3/4" (95mm) H x 10-3/4" (272mm) D x 10" (254mm) L

Stainless Steel Micro 400



3-5/8" (92mm) H x 8-1/4" (209mm) D x 8-1/4" (209mm) L

Remote L31 Beacon



4-1/2" (102mm) H x 7-3/16" (182mm) Dia.

Rear Lighthoods

Rear lighthoods are offered in 3 sizes. Super-LED lighthoods have specially designed lenses for wide light output. All lighthoods are supplied with Deutsch® waterproof connectors.

400 Series



4-15/16" (124mm) H x 3-3/16" (77mm) W

500 Series



5" (127mm) H x 1-5/8" (41mm) W

700 Series



7-1/4" (184mm) H x 3-1/16" (78mm) W

Rear Housings

Rear mounted lighthoods include 30" heavy-duty, oil resistant TPE jacketed cable with strain relief flex tubing and couplings that provide added safeguard against the elements. You have a choice of standard heavy-duty welded stainless steel or optional aluminum housings.

400 Series



Height: Single: 5-7/8" (149mm)
Double: 11-3/8" (290mm)
Triple: 17" (430mm)
Width 3-1/2" (88mm)
Depth: 4-3/4" (120mm)

500 Series



Height: Single: 7" (178mm)
Double: 13-3/4" (348mm)
Triple: 20-3/8" (518mm)
Width: 2-1/2" (65mm)
Depth: 5" (127mm)

700 Series



Height: Single: 8-3/8" (213mm)
Double: 16-1/4" (412mm)
Triple: 24" (608mm)
Width 3-1/2" (88mm)
Depth: 5" (127mm)

Standard Components



12" protective flex tubing and couplings to the lighthood connections protects the cabling and provides strain relief.



Waterproof, oil and corrosion-resistant tin coated, pure copper stranded conductors used in all TPE cables. Each wire strand in each cable is tin coated for the full length of the cable, providing superior longevity. Designed to last for the life of the vehicle. Optional cable lengths are available.



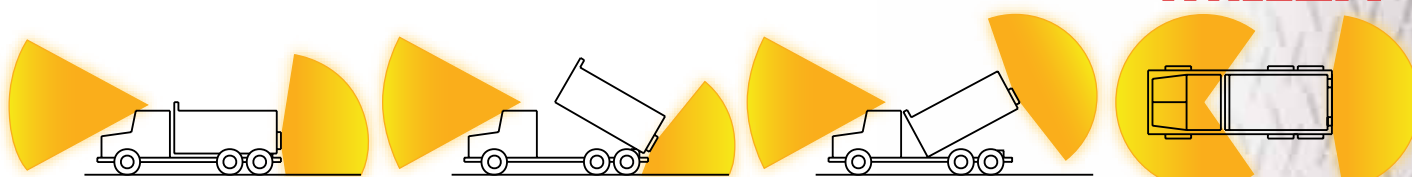
DOT-LED FLASHER/JUNCTION BOX
Centralized DOT Flasher for total system control. Offers various flash patterns, system flash sequence, and switching flexibility. The flasher also provides onboard Diagnostix™.



Top of the line Deutsch® waterproof connectors furnished with all rear lighthoods.



400 & 700 Series lighthood housings are 7 gauge and 500 Series are 11 gauge welded stainless steel. You may choose optional welded aluminum housings.

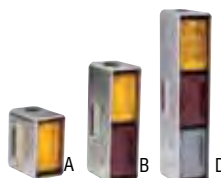
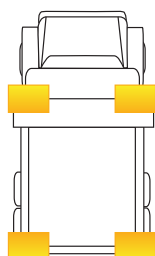


Wide angle lighthead beams give visibility with the dump box in raised and lowered positions.

DOT3401, DOT3501 & DOT3701

4 Light System

Two Micro Freedoms with extended corner modules and two rear lighthead options



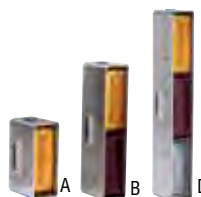
SYSTEM 401 with 400 Series Lighthead

DOT3401A Warning
DOT3401B Warning and brake/tail/turn
DOT3401D Warning, brake/tail/turn and back-up



SYSTEM 501 with 500 Series Lighthead

DOT3501A Warning
DOT3501B Warning and brake/tail/turn
DOT3501D Warning, brake/tail/turn and back-up



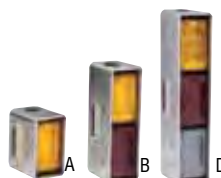
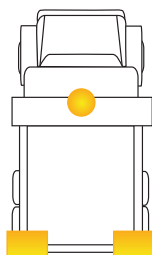
SYSTEM 701 with 700 Series Lighthead

DOT3701A Warning
DOT3701B Warning and brake/tail/turn
DOT3701D Warning, brake/tail/turn and back-up

DOT3402, DOT3502 & DOT3702

3 Light System

One L31 remote beacon and two rear lighthead options



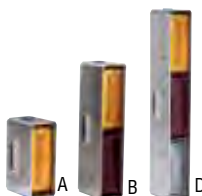
SYSTEM 402 with 400 Series Lighthead

DOT3402A Warning
DOT3402B Warning and brake/tail/turn
DOT3402D Warning, brake/tail/turn and back-up



SYSTEM 502 with 500 Series Lighthead

DOT3502A Warning
DOT3502B Warning and brake/tail/turn
DOT3502D Warning, brake/tail/turn and back-up



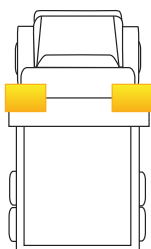
SYSTEM 702 with 700 Series Lighthead

DOT3702A Warning
DOT3702B Warning and brake/tail/turn
DOT3702D Warning, brake/tail/turn and back-up

DOT3103

2 Light System

Two Micro Freedoms with extended corner modules



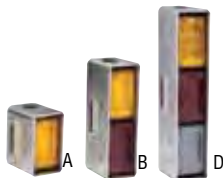
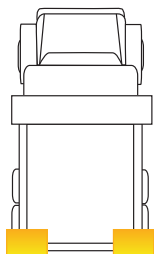
SYSTEM 103

DOT3103.....Two front Amber warning lights

DOT3404, DOT3504 & DOT3704

2 Light System

Two rear lighthead options



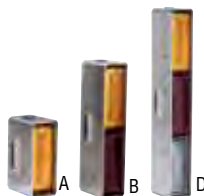
SYSTEM 404 with 400 Series Lightheads

DOT3404A Warning
DOT3404B Warning and brake/tail/turn
DOT3404D Warning, brake/tail/turn and back-up



SYSTEM 504 with 500 Series Lightheads

DOT3504A Warning
DOT3504B Warning and brake/tail/turn
DOT3504D Warning, brake/tail/turn and back-up



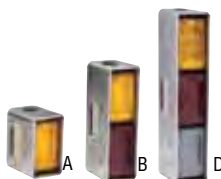
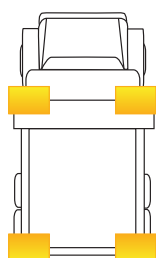
SYSTEM 704 with 700 Series Lightheads

DOT3704A Warning
DOT3704B Warning and brake/tail/turn
DOT3704D Warning, brake/tail/turn and back-up

DOT3405, DOT3505 & DOT3705

4 Light System

Two Micro 400s and two rear lighthead options



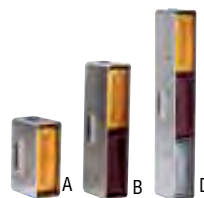
SYSTEM 405 with 400 Series Lightheads

DOT3405A Warning
DOT3405B Warning and brake/tail/turn
DOT3405D Warning, brake/tail/turn and back-up



SYSTEM 505 with 500 Series Lightheads

DOT3505A Warning
DOT3505B Warning and brake/tail/turn
DOT3505D Warning, brake/tail/turn and back-up



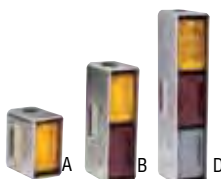
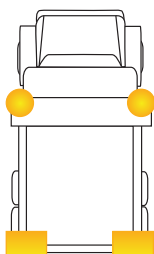
SYSTEM 705 with 700 Series Lightheads

DOT3705A Warning
DOT3705B Warning and brake/tail/turn
DOT3705D Warning, brake/tail/turn and back-up

DOT3406, DOT3506 & DOT3706

4 Light System

Two L31 remote beacons and two rear lighthead options



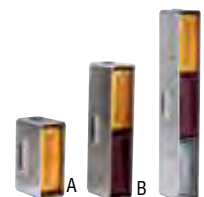
SYSTEM 406 with 400 Series Lightheads

DOT3406A Warning
DOT3406B Warning and brake/tail/turn
DOT3406D Warning, brake/tail/turn and back-up



SYSTEM 506 with 500 Series Lightheads

DOT3506A Warning
DOT3506B Warning and brake/tail/turn
DOT3506D Warning, brake/tail/turn and back-up



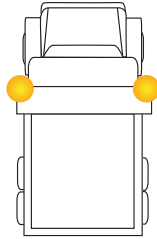
SYSTEM 706 with 700 Series Lightheads

DOT3706A Warning
DOT3706B Warning and brake/tail/turn
DOT3706D Warning, brake/tail/turn and back-up

DOT3107

2 Light System

Two remote L31 Beacons



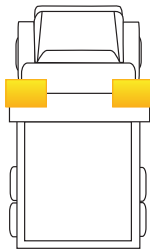
SYSTEM 107

DOT3107.....Two front Amber warning lights

DOT3108

2 Light System

Two Micro 400s



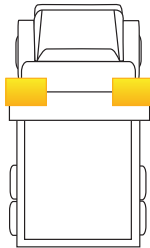
SYSTEM 108

DOT3108.....Two front Amber warning lights

DOT3109

2 Light System

Two stainless steel Micro 400s



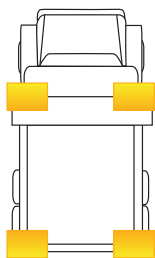
SYSTEM 109

DOT3109.....Two front Amber warning lights

DOT3410, DOT3510 & DOT3710

4 Light System

Two stainless steel Micro 400s and two rear lighthouse options



SYSTEM 410 with 400 Series Lighthouse

DOT3410AWarning

DOT3410BWarning and brake/tail/turn

DOT3410DWarning, brake/tail/turn and back-up

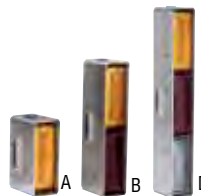


SYSTEM 510 with 500 Series Lighthouse

DOT3510AWarning

DOT3510BWarning and brake/tail/turn

DOT3510DWarning, brake/tail/turn and back-up



SYSTEM 710 with 700 Series Lighthouse

DOT3710AWarning

DOT3710BWarning and brake/tail/turn

DOT3710DWarning, brake/tail/turn and back-up

DOT3 Options



Switch Control Panels
rated at 25 amps per switch.
PCC4W - 4 switch
PCC6W - 6 switch



L31 Branch Guard
with cast
aluminum base.
L360BGB



TIR3™ Side
Light for 400
and 700 Series
rear housings.
ADD4TIR3 -
400 Series
ADD7TIR3 -
700 Series



Extension
Cables in
single or
pairs in
30' and 45'
lengths.
(See current
price list for
models).



DOT Photocell
for Hi/
Low power,
includes Black
flange.
DOTPHOTO



Wing Plow Lighting
Systems with TIR3™ or
LINZ6™ light modules
for high visibility in both
the snowplow's wing in
stowed and travel
positions.
WPLOW3AA - TIR3
WPLOWZ3A - LINZ6

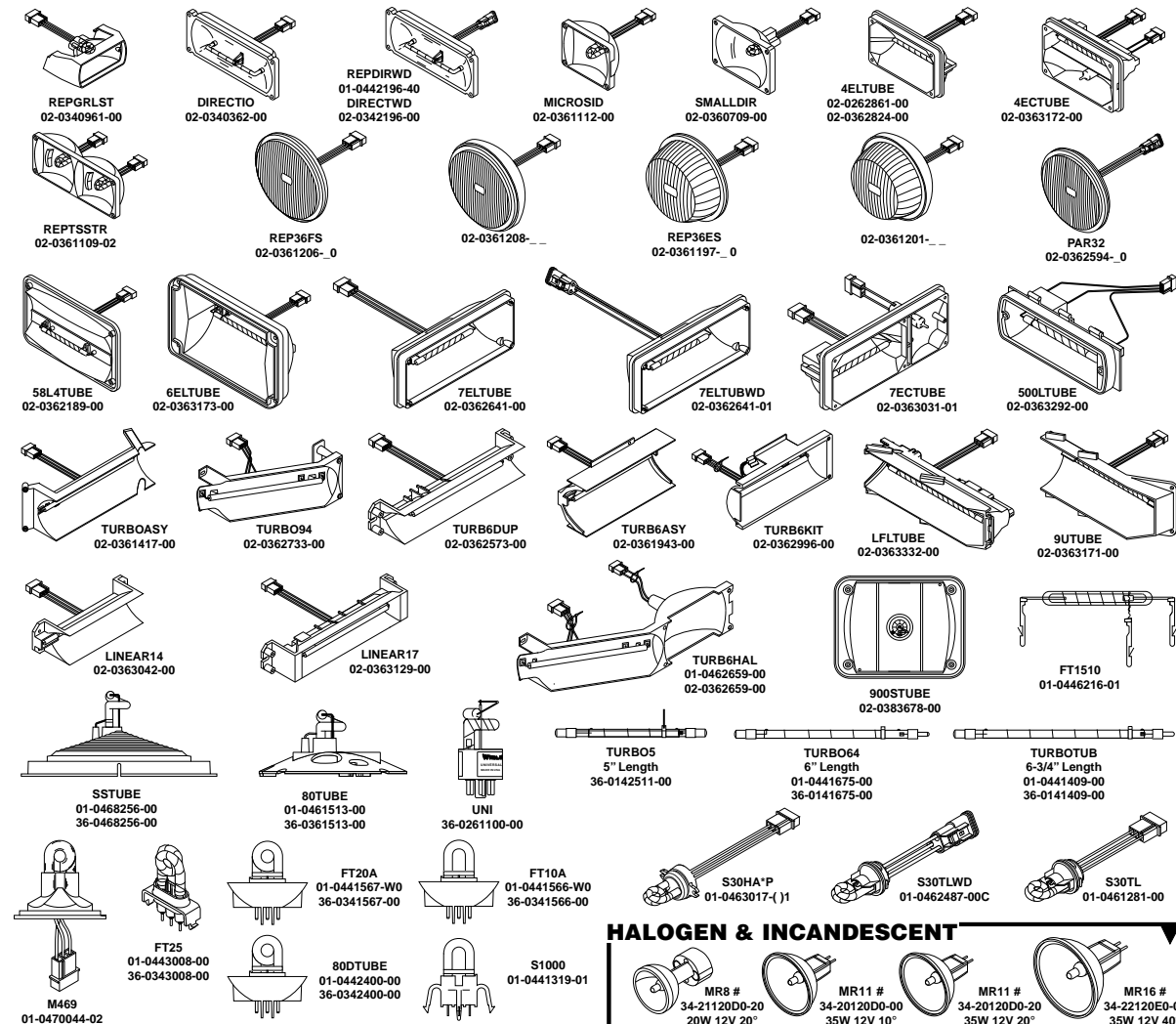


Combination LED spot/flood
or flood work light with
rubber housing and
stainless steel hardware.
P36SCHG - Spot/Floodlight
P46SCHG - Floodlight

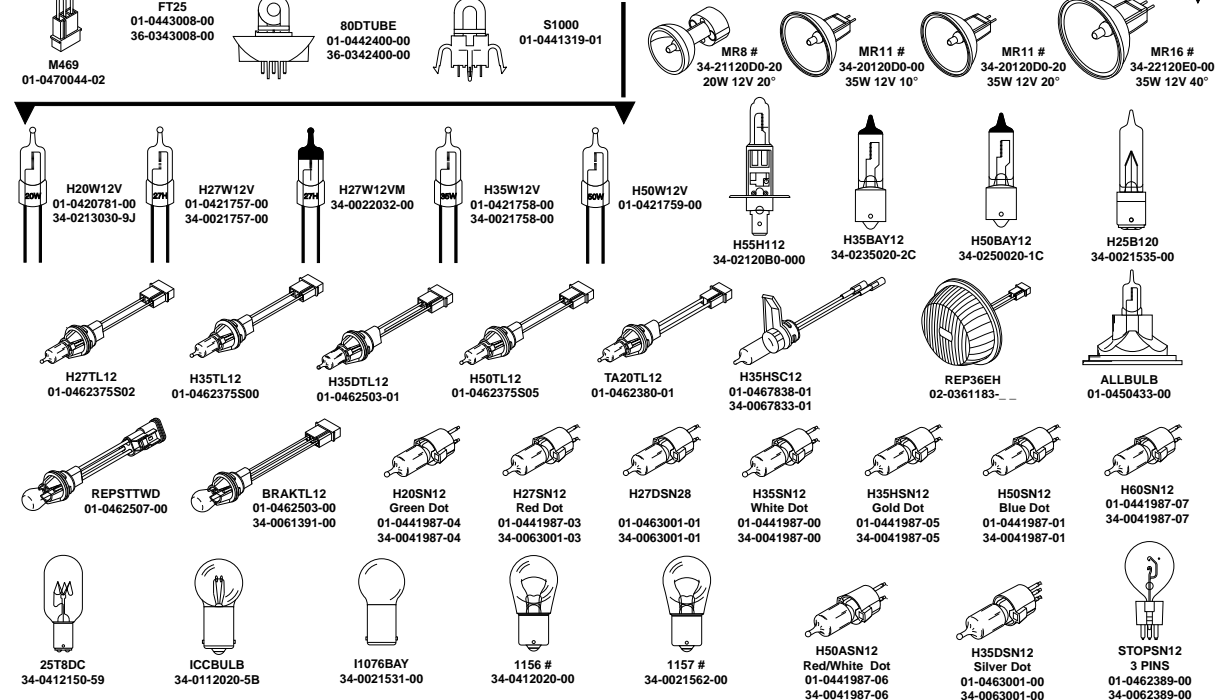
Replacement Lamp Guide

Pictorial reference guide for strobe, halogen and incandescent replacement bulbs

STROBE



HALOGEN & INCANDESCENT



Certification Standards

Providing the finest, certified lighting for our customers is a priority at Whelen Engineering Company. Listed below are the various certification standards used to test and certify our products for the DOT, Public Works, Utility, Towing and Contractor marketplace. As we are constantly upgrading and testing our products, it is impossible to print a document with all of the current information. Our team of customer service or field sales representatives will be happy to answer questions regarding this information and any other specific state or federal regulation that might apply to your criteria for decision-making on lighting devices for your vehicles.

Warning Lamps and Devices

CAC, Title III, Article 22

(red, blue and amber lightheads)

SAE J595 - Flashing Warning Lamps for Authorized Emergency, Maintenance, and Service Vehicles (Jan 2005)

SAE J845 - Warning Devices for Authorized Emergency, Maintenance, and Service Vehicles (May 97)
Class 1, Class 2, Class 3.

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

Test Procedures and Materials

SAE J575 - Test Methods and Equipment for Lighting Devices & Components for use on Vehicles Less than 2032 mm in Overall Width (Jun 92)

SAE J2139 - Test Methods and Equipment for Lighting Devices & Components for use on Vehicles Greater than 2032 mm in Overall Width (Jan 96)

SAE J578 - Color Specifications (Jun 95)

Signalling and Marking Lighting Devices and Systems

FMVSS108 - Federal Motor Vehicle Safety Standards

SAE J586 - Stop Lamps for Use on Motor Vehicles Less than 2032 mm in Overall Width (Sep 95)

SAE J585 - Tail Lamps (Rear Position Lamps) for Use on Motor Vehicles Less than 2032 mm in Overall Width (Dec 94)

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

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

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

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

SAE J914 - Side Turn Signal Lamps for Vehicles Less than 12 m in Length (Jan 95)

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

SAE J1889 - LED Lighting Devices (Jun 99)

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

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

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

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

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

WHELEN LED TERMINOLOGY

Generation 1 - (LED)
5mm diode technology

Generation 2
Piranha diode technology

Generation 3
Barracuda diode technology, standard diode and optic package

Generation 3.5 - (Super-LED®)
A special package containing the brightest diode and widest visibility optic technology available

TIR - (Super-LED)
Whelen's optimized use of Generation 3.5 diodes and unique optics to produce highly intense light that is somewhat directional in nature

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

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

User Direct Warranty (for Automotive Products Only)

Whelen Engineering Company, Inc. warrants products of its manufacture against defects in material and workmanship. This is provided that the product has been installed and operated in accordance with the manufacturer's recommendations. During the warranty period (see below) the Factory Repair Center or an Authorized Whelen Repair Center† will repair or replace (at its option) any parts or electronic assemblies of the unit which disclose a defect in material or workmanship. The Repair Center will return the repaired unit, transportation cost prepaid.

The above warranty is between the first purchaser (ultimate user) only and Whelen Engineering Company, Inc. (manufacturer). No prior authorization is required for returning Whelen products for warranty consideration. Each Whelen product sold is covered only by the official warranty in effect at time of purchase.

This warranty is not applicable to any Whelen product that has failed due to abuse, misuse, improper installation, excessive voltages, or alterations to the product that affects, in the manufacturer's judgment, intended use and service. Whelen will not be held liable for any incidental or consequential damages, and assumes no responsibility or liability for expenses incurred in the removal and/or re-installation of products requiring service and/or repair; nor the packaging, handling, and shipping to the Factory Repair Center or Authorized Whelen Repair Center†; nor for the handling of products returned from the repair center after service or repair.

There are no other warranties, expressed or implied, including, but not limited to, any implied merchantability or fitness for a particular use. Whelen Engineering Company, Inc. reserves the right to modify this warranty statement at any time; or discontinue, modify, or upgrade any products of its manufacture with design improvements without prior notice.

All power plugs/cigar plugs, incandescent and halogen bulbs, polycarbonate/plastic materials, radar products, aviation equipment, industrial products and high power voice/siren systems are not covered by this warranty (see applicable warranty statement). This warranty will be void when using or substituting other than all-genuine Whelen system components, such as remote head assemblies, xenon flash tubes, shielded cables, strobe power supplies, siren amplifiers and siren speakers.

This warranty gives you specific rights, and you may also have other rights which vary from state to state.

Whelen Engineering Company Electro-mechanical and Strobe Products

***STANDARD / 2-YEAR WARRANTY**

Whelen products are covered by a direct warranty for up to a maximum two years from date of purchase (not to exceed three years from date of manufacture), with proof of purchase. In accordance with the policy statement described herein, the unit may be returned directly to the factory or to an Authorized Whelen Repair Center† for warranty consideration. Whelen siren speakers, when used with a Whelen siren amplifier, are covered by a 2 year warranty from the date of manufacture. Heavy-Duty motor assemblies (so marked) are covered by a direct warranty for up to three years from date of manufacture. For warranty consideration, both the siren speakers and motor assemblies are subject to the conditions and steps described herein.

HDP / 5-YEAR WARRANTY

Whelen Automotive Non-Lightbar Strobe Power Supplies, LED Ballasts and LED Products bearing the official HDP label and manufactured to HDP standards, are covered by a direct warranty for up to five years from date of manufacture. In accordance with the policy statement described herein, the unit may be returned directly to the factory or to an Authorized Whelen Repair Center† for warranty consideration.

***12 MONTH WARRANTY — BACK-UP ALARMS**

Whelen Back-Up Alarms are covered by a 12 month warranty. Both are subject to the conditions and steps described herein.

10 YEAR LIMITED WARRANTY — LIGHTBAR POWER SUPPLY

*All repairable warranty and non-warranty Edge® style lightbar strobe power supplies will be replaced with a compatible new power supply. If out of initial warranty period but less than 7 years old, the charge will be a flat fee of \$145.00; if between 7 & 10 years old, the charge will be a flat fee of \$162.00 (warranty for standard power supply is 2 years and Heavy-Duty Professional (HDP®) power supply is 5 years). This is subject to the conditions and steps described herein.

12 AND 24 MONTH DIRECT WARRANTY — XENON FLASH TUBES

(Except Flash Tubes from 1000/1500/2000/3000 & VP Series which are covered by a 6 month warranty) If the xenon flash tube component of a "Whelen" brand (not from 1000/1500/2000/3000 or VP Series) product is returned to Whelen within 12 months of the date which is affixed to the flash tube, Whelen will replace that flash tube free of charge ONE TIME ONLY, subject to the conditions and steps herein. Whelen "Gold Medallion" flash tubes including all linear flash tube assemblies, carry a 24 month warranty. Whelen will pay ground transportation from Whelen's factory or Authorized Whelen Repair Center† to the customer via UPS where available (in the Continental U.S.).

12 MONTH EXTENDED WARRANTY — WHELEN REPAIRED STROBE POWER SUPPLIES

Whelen offers to repair or replace, free of charge, any part of its strobe light power supplies that have been repaired by Whelen within 12 months and are less than 5 years old, subject to the conditions and steps herein. Whelen will pay ground transportation from Whelen's factory or Authorized Whelen Repair Center† to the customer via UPS where available (in the Continental U.S.).

WHELEN ENGINEERING COMPANY OUT-OF-WARRANTY FACTORY REPAIR PROGRAM:

*If found to be repairable, the Whelen Factory Repair Center (only) will repair Non-Lightbar Electronic Strobe Power Supplies for \$90 each. This does not include replacement of any other electro-mechanical parts including flash tubes, polycarbonate domes, motors, or hardware items.

*Follow the "Steps To Be Taken For Return" noted below, and include a check or money order for \$90 for each unit returned. For Whelen products older than 10 years, repair charges will be determined upon examination only (minimum charge is \$162). Contact factory service center for further details.

STEPS TO BE TAKEN FOR WARRANTY RETURN:

- 1) Whelen products are to be returned freight prepaid to the: Whelen Factory Repair Center Building B, 51 Winthrop Road, Chester, CT 06412-0684; or an Authorized Whelen Repair Center†. Do not ship by bus.
- 2) A copy of the sales receipt must be returned with the defective unit to qualify for warranty coverage from date of purchase.
- 3) Include a short statement explaining the problem.
- 4) Include your name, address, and day-time telephone number.
- 5) Whelen and its Authorized Repair Centers will, via UPS, ship back the repaired unit freight prepaid, usually within a few days after its receipt.

† The only AUTHORIZED WHELEN REPAIR CENTER(S) are predetermined by the Whelen Factory via official listing obtained from Whelen Engineering Company, Chester, CT.

* New/Revised

Effective 1/12, REPLACES ALL PREVIOUSLY PUBLISHED SERVICE POLICIES

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Notice:

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

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

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

For optimum performance and reliability, Whelen strobe power supplies are designed for use with Whelen flash tubes, strobe lightheads and cables only. Substitution of any of these components with non-Whelen products voids all warranties and any applicable certifications.

Whelen Engineering reserves the right to upgrade and improve products without notice.

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WHELEN CORPORATE CAPABILITIES



Where it all began.....

It All Started 1952 in a Garage with the First Rotating Beacon.

A privately owned company, Whelen has experienced positive growth for over 60 years. The pride and commitment of its work force, whose employment longevity averages over 22 years, is rewarded through a profit sharing plan established by the Whelen family since the company was founded.

The development of the first aviation light helped launch Whelen into the automotive safety lighting industry as well. Whelen currently provides safety lighting for Police, Fire, EMS, and DOT professionals as well as many other industries. The production volumes seen in the automotive sector have allowed Whelen to invest in the latest automated assembly equipment in order to compete world-wide. Last year Whelen purchased over 44 million LEDs for use in their extensive family of products. In the 1970s Whelen introduced the Outdoor Warning Siren ... totally electronic and capable of not just warning tones but also high-powered voice messages. The Mass Notification Division has saved lives around the world.

At Whelen Engineering, our goal is to bring innovative, life saving products to market more quickly while maintaining strict quality control throughout the process. We have accomplished this through a vertical manufacturing initiative to eliminate or reduce out-sourcing; the use of robotics and state-of-the-art production equipment; and, perhaps most importantly, a motivated workforce of over 1100 employees. This allows us to meet and adapt to our customer's changing needs in the shortest amount of time.

- Two manufacturing facilities totaling over 586,000 square feet.
- Largest staff of Design Engineers in the industry.
- Research and development.
- Partnering with OEMs on new vehicle design and product integration.
- Plastics injection molding machines from 30 to 2000 tons capacity.
- In-house plastics, hard coating, metallizing, and sheet metal fabrication.
- On-site test lab for environmental dust, moisture, vibration, etc, acoustic anechoic sound chamber, industry certifications (SAE, AMECA, FAA to name a few).
- Sales and Technical Personnel are trained at the factory training center and return for updates on a regular schedule.
- Worldwide network of Sales, Service and Training.

MANUFACTURING FACILITIES



Corporate Headquarters, Chester, Connecticut



Charlestown, New Hampshire Division

DESIGN & ENGINEERING

The largest staff of Design Engineers in the industry! Many of our Engineers are Fire Volunteers and EMTs so they know firsthand the critical need for life saving, innovative products.



3-D Product Design



Whelen's Professional Design Engineers

INJECTION AND VACUUM MOLDING

1600 molds, 38 molding machines from 30 to 2000 tons, 20 million parts produced every year. Vacuum machines produce irregularly shaped components not suitable for injection molding.



Injection Mold Making



3-D Tool Designs



1700 Ton Molding



3 Trimming Formed Parts Machines



5 Over Molding Electronics Machines



38 Robotic Molding Machines



Die-Cast Tool Making



Aircraft Lens Mold Making

ELECTRONICS MANUFACTURING

Surface mount and through-hole circuit boards are manufactured, assembled and tested In-circuit.



14 Transformer Winding Machines



15 Cable & Wire Machines



5 Electronic Board Assemblies



12 Electronic Board Testing Machines



Electronic Assemblies



SMT Assemblies



Lightbar Production



Automatic Robotic Cable Assembly

FABRICATION

Robotic and laser cutting and drilling, Robotic Bending Cells for stand-alone operation. All machine parts are produced and maintained by automated production machine shops in New Hampshire and Connecticut.



Five-Axis Laser



Cutting Center



4 Laser Cut Punch & Tapping Centers



8 Metal Forming Machines



Transformer Manufacturing



8 Wire Cutting, Stripping & Terminals Machines



Inventory



Automatic Kit Bagging

FINISHING PROCESSES

Hard coating of lenses and powder coating housings make them resistant to weather and abrasion. Metallizing reflectors adds reflectivity and helps prevent corrosion and oxidation.



Powder Coating



Moisture Proof Coatings



Silicone Hard Coating



5 Vacuum Metalizing Reflector Machines

PRODUCTION MACHINE SHOP

The production machine shop uses state-of-the-art milling machines, CNC lathes and screw machines to make the precision parts required for our products.



2 High Speed Screw Machines



Robotic Five-Axis 48 Pallet Milling Center



15 Milling and Turning Centers

QUALITY CONTROL AND TESTING

Quality Control is maintained throughout the manufacturing process. Certified test labs on site facilitate product development and shorten lead times.



EMI



RF



Corrosion



Atmospheric



Rain



Vibration



Dust



Environmental



Photometric Chamber



Acoustic Chambers



Quality Control & Reliability Testing

REPAIR, SERVICE AND TRAINING

Whelen's Repair Goal is to get product repaired and back out the door to you within 24 hours. Authorized Service facilities are located around the globe. Training is available not only at the Chester Training Facility but at sites around the country. All Whelen Authorized Managing Sales Representatives and technicians return to the plant several times a year for new product introduction and advanced training.



Repair Service Technician



Electronics Technician



Technical Support



Chester Corporate Training Facility

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