



2015 Lightheads

Professional Warning & Illumination

OFFICIAL WARNING LIGHTS OF

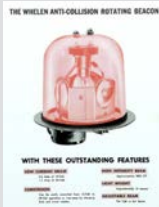

WHELEN[®]
 MANUFACTURED IN AMERICA

History of Whelen Engineering Company, Inc.

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1952-1978



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



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

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

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

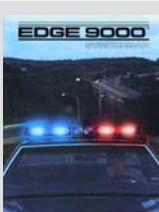


1975 Whelen releases it's first fully enclosed lightbar, the 6000 Series.



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

1983-1998



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

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

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

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

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



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

2000-2008

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



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

2004 Whelen develops the Pioneer™ all LED flood-light for Fire Truck and Ambulance applications.



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



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

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

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

2011-2015

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

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

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

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

2013 The next generation Rota-Beam is released.

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



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

Whelen enters the Off-Road market with the Continuum™ Super-LED lightbar.



2015 Action Express Racing fields the No. 31 Whelen Corvette Daytona Prototype in the 2015 IMSA TUDOR United SportsCar Championship season.



Micron™ Series

- Fully encapsulated for moisture, vibration and corrosion resistance
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Integrate with other Whelen products through synchronize feature
- **NEW** Go undercover with all new, SAE Class 1 certified smoked lenses. Consult pricelist for details
- Five year HDP® Heavy-Duty Professional warranty



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

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

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



Lighthoods - Warning



ION™ Series

- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Integrate with other Whelen products through synchronize feature
- **NEW** Go undercover with all new, SAE Class 1 certified smoked lenses. Consult pricelist for details
- Five year HDP® Heavy-Duty Professional warranty



WIONSMCR



NEW Smoked lens shown unlit with Black flange



WIONB



IONWA

ION & WION

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

NEW ION DUO™ & TRIO™

- Interleaved technology and new Linear-LED® optics
- DUO models feature independent control of color one and color two
- TRIO models feature any combination of color one, color two and color three. Color three has steady-burn override



I2F



TRIO

I3JC

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

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

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

Option Model	Option Description
IONPEDC	Chrome plated pedestal mount
IONBKT1	License plate bracket for 2 lights
IONBKT4	Rear hatch bracket, 2013-15 Ford Police Interceptor Utility for 2 lights
IONBKT5	Universal mount, reversed, remove screws without removing light
IONBKT6	Rear hatch bracket, 2015 Chevy Tahoe for 2 lights



IONK1W



IONK1B



IONGROM



IONPEDB



IONPEDC



IONBKT1



IONBKT5



IONBKT6

ION™ V-Series™

- Available in 3-in-1 combination warning, alley/flood and puddle light or in single color warning only models
- Single color models have combination 180° and TIR directional warning
- Includes steady-burn, alternating and simultaneous patterns
- Black, White or Chrome housing
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Integrate with other Whelen products through synchronize feature
- **NEW** Go undercover with all new, SAE Class 1 certified smoked lenses. Consult pricelist for details
- Five year HDP® Heavy-Duty Professional warranty



IONSV1B



IONSV3R

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

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

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

Model	Option Description
IONPEDC	Chrome plated pedestal mount
IONBKT1	License plate bracket for 2 lights
IONBKT4	Rear hatch bracket, 2013-15 Ford Police Interceptor Utility for 2 lights
IONBKT5	Universal mount, reversed, remove screws without removing light
IONBKT6	Rear hatch bracket, 2015 Chevy Tahoe for 2 lights



IONK1W



IONK1B



IONGROM



IONPEDB



IONPEDC



IONBKT1



IONBKT5



IONBKT6

SideKick™ Series

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



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

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

Vertex™ Series

- Self-contained light with in-line lamp driver
- Designed to mount in composite style headlight or taillight, or surface mount to exterior surfaces with flange mount option
- VHB models for factory prepped Ford Interceptor Sedans and SUVs
- Fully encapsulated for moisture, vibration and corrosion resistance
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Clear outer lens, color LEDs
- **NEW** Go undercover with all new, SAE Class 1 certified smoked lenses. Consult pricelist for details
- Five year HDP Heavy-Duty Professional warranty



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

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Option Model	Option Description
VTXFC	Chrome plated flange
VTXFB	Black flange



Lighthoods - Warning



V23, M2, & M4 Series

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



Model	Optic	Technology	Color	Lens	VDC	Flasher	Patterns	Amps	Certifications	Size		
V23*TPB	V-Series™ (includes Black flange)	Super-LED®	A, R, B, W warning with W illumination	Clear	12	Built-in	26 Scan-Lock™	Warning 0.76/peak 0.30/avg, Take-down 0.62, Perimeter 0.12	C, D	2-11/16" (68mm) H x 1-1/2" (38mm) D x 4-1/4" (109mm) L		
V23*TPC	V-Series (includes Chrome flange)											
M2*	Directional		A, R, B, W	Color			69 Scan-Lock	1/peak .45/avg	B (R/A/B) C, D (R/A/B) W	2-1/2" (64mm) H x 4" (102mm) W x 1" (25mm) D		
M2*C				Clear								
M2#			R/A, R/B, R/W									
M2W*	Wide-angle		A, R, B, W	Color			26 Scan-Lock including steady-burn	1.5/peak 0.6/avg	A (Lower R) B (A/B/W) C, D (R/A/B) W	3-3/8" (86mm) H x 5-1/2" (138mm) W x 1-3/8" (35mm) D		
M2W*C				Clear								
M2W#			R/A, R/B, R/W									
M4*	Directional		A, R, B, W	Color			125 Scan-Lock	Requires flasher (Purchased separately)	-	-		
M4*C				Clear								
M4#			R/A, R/B, R/W									
M4*S			A, R, B, W									
M4*CS												
M4DW*				W with R/B split W with R or B					50 Scan-Lock	Warning & driving 1.0/peak 0.40/avg	Pending	
M4V2*	V-Series		A, R, B, W warning with W illumination	Clear		Built-in	25 Scan-Lock	Warning 1.0/peak 0.40/avg, Perimeter 0.77	Pending	3-3/8" (86mm) H x 1-7/8" (47mm) D x 5-1/2" (138mm) L		

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



M6 & M7 Series

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



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

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Option Model			Option Description
M6	M6V2	M7	
M6FC	M6FC	M7FC	Chrome plated flange
M6FB	M6FB	M7FB	Black flange
M6BRUSH	-	M7BRUSH	Black brush guard
M6FC600	M6FC600	M7FC700	Chrome flange, adapts M Series to 600 or 700 Series style lighthoods
M6P15C	-		Chrome 15° angled surface mount housing
M6P15B	-		Black 15° angled surface mount housing
M6FCV2	-		Chrome flange for two M6 lighthoods, vertical (lighthoods purchased separately)
M6FCV3	-		Chrome flange for three M6 lighthoods, vertical (lighthoods purchased separately)
M6FCV4	-		Chrome flange for four M6 lighthoods, vertical (lighthoods purchased separately)
M6HDLMTK	-		Headlight mount for AT1 and KD housings, includes bracket and hardware



M9 Series

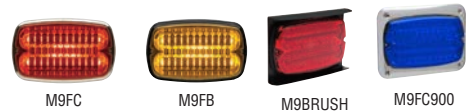
- Available in warning and warning with scenelight models
- Patented Linear-LED® designed reflector assembly
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Surface mounted via two screws
- Built-in flasher models are synchronizable
- Choose solid, left/right,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



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

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Option Model		Option Description
M9	M9V2	
M9FC	-	Chrome plated flange
M9FB	M9FB	Black flange
M9BRUSH	-	Black brush guard
M9FC900	M9FC900	Chrome flange, adapts M Series to 900 Series style lightheads



2015 Ford Transit Mounting Options with M9V2R Lighthead

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

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



1873801



1873802

Lighthoods - Warning



TIR3™, LIN3™ & LINZ6™ Series

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



RSB03ZCR



RVR03ZCR



RSR02ZCR



LINZ6B

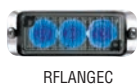
Model	Optic	Technology	Mount	Color	VDC	Amps	Patterns	Encapsulated	Cable	Certifications	Size
RS*03ZCR	Directional	TIR3 Super-LED®	Horizontal, surface	A, R, B, W	12	0.40/peak 0.16/avg	25 Scan-Lock™	Yes	6" Pigtail	B (R) C (A) D W (Class 1 B/W)	1-1/8" (28mm) H x 1-1/4" (32mm) D x 3-1/2" (89mm) L
RV*03ZCR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

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

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

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

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



RFLANGEC



RFLANGEA



RFLANG2C



RFLANG2B



RGROMMET



LINZ6FC



RBKT1



RBKT2



RBKT3



RBKT4



RBKT6



RBKT7



RBKT10



RBKT11



L6BKT2



L6BKT3

Lightheads - Warning



LINV2™ V-Series™

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



LINSV2B



LINV2R

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

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

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

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

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

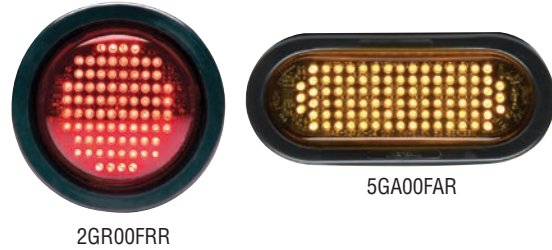


Lighthoods - Warning



2G & 5G Series

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



2GR00FRR

5GA00FAR

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

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

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



3" & 3-1/2" Round Series

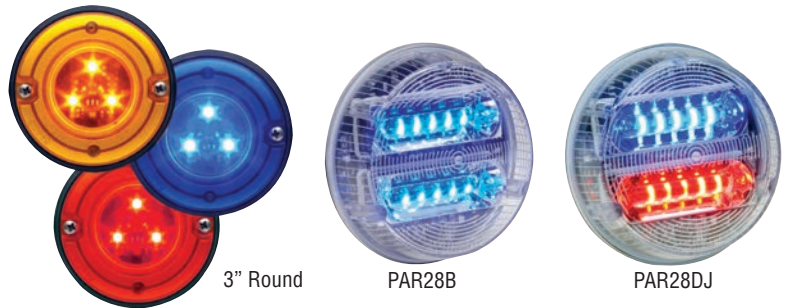
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Five year HDP Heavy-Duty Professional warranty

3" Round

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

3-1/2" Round

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



3" Round

PAR28B

PAR28DJ

Model	Series	Technology	Mount	Color	VDC	Amps in mA	Patterns	Cable	Certification	Size
3S*00F*R	3" Round	LED	Surface	A,R,B	12	.50/peak .25/avg	160 FPM	6" Pigtail	A C,D (Class 1, 2 & 3)	3" (76mm) Dia.
PAR28*	3-1/2" Round	Linear6 Super-LED®	Fog light	A,R,B,W		2/peak .9/avg	25 Scan-Lock		A,B,C,D	3-1/2" (89mm) Dia.
PAR28#				R/B, R/W, B/W		69 Scan-Lock	A,B,C,D			
PAR28D*	3-1/2" Round White Driving Light			W with B or R		1/peak .4/avg	50 Scan-Lock		C,D	
PAR28DJ				W with B over R						

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

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



4" Round Series

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

Flat Lens

- TIR6™ Super-LED® with synchronize feature

Extended Lens

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



TIR6, Flat Lens



Linear6, Extended Lens



Fog light mount

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

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

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



2FLANGEC



2FLANGEB



2GROMMET

OR™ Series

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



ORB00FCR



ORR00SCR

Model	Technology	Mount	Color	VDC	Amps	Patterns	Flasher	Cable	Size
OR*00FCR	5mm LED	Recess for door panel	A, R, B, W	12	60mA/peak 30mA/avg	Single flash	Built-in	6" Pigtail	3/4" (19mm) H x 3/4" (19mm) W x 1/2" (13mm) D
OR*00SCR					30mA	Steady	Requires flasher (Purchased separately)		

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

OS™ Series

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



OSA00FCR



OSR00SCR

Model	Technology	Mount	Color	VDC	Amps	Patterns	Flasher	Cable	Size
OS*00FCR	5mm LED	Surface, includes Chrome flange	A, R, B, W	12	60mA/peak 30mA/avg	Single flash	Built-in	6" Pigtail	1" (25mm) H x 1-1/2" (48mm) W x 1/2" (13mm) D
OS*00SCR					30mA	Steady	Requires flasher (Purchased separately)		

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

Strip-Lite™

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



PSR00FRR

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

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

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

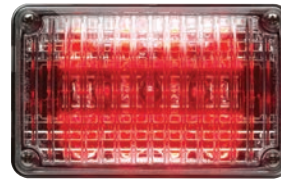


Lighthoods - LED Warning

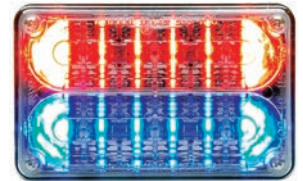


400 Series

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



40R02ZCR



40RB5SCR



4V3R

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

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

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

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



4EFLANGE



4FLANGEB



4TSMAB



4TSMAC



4EGRILB



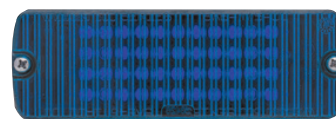
4EGRILP



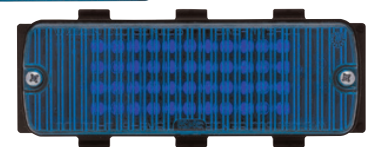
4ILKT1

500 LED Series

- Available with Clear or color lens
- LEDs are rated for thousands of hours of operation
- Polycarbonate construction
- Fully encapsulated for moisture, vibration and corrosion resistance
- Hard-coated lenses minimize environmental damage from the sun, salt and road chemicals
- Five year HDP Heavy-Duty Professional warranty



5SB00FBR
Surface mount



50B00FBR

Model	Optic	Technology	Mount	Color	VDC	Amps	Patterns	Cable	Certifications	Size
50*00F*R	Directional	5mm LED	Optional mounting required	A, R, B, W	12	.300/peak .120/avg	14 Scan-Lock	6" Pigtail	C D (A/B/R) W	1-13/16" (46mm) H x 7/8" (22mm) D x 5-3/16" (131mm) L
5S*00F*R			Surface							

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

See next page for mounting options

500 Super-LED® Series

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



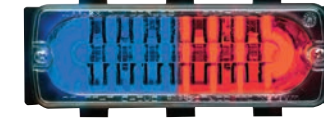
50RA3ZCR



50B03ZBR



50R02ZRR



50RB2ZCR



5V1A



5V3R

Model	Optic	Technology	Mount	Color	VDC	Amps	Patterns	Cable	Certifications	Size		
50*02Z*R	Directional	Linear-LED®	Horizontal, requires optional mounting	A, R, B, W	12	1.0/peak .40/avg	25 Scan-Lock™	6" Pigtail	B (A/B) C D (A/B)	1-5/8" (41mm) H x 1-3/4" (44mm) D x 5" (127mm) L		
50**2ZCR				A/A, B/B, W/W R/R, A/W, B/W, W/R		.50/peak .20/avg per side						
5V*02Z*R			Vertical, requires optional mounting	A, R, B, W		1.0/peak .40/avg						
50*03Z*R	TIR6™ Super-LED	Horizontal	Requires optional mounting	A, R, B, W		.63/peak .315/avg			1.5/peak 0.6/avg		B (R) C D	1-5/8" (41mm) H x 1-3/4" (35mm) D x 5" (127mm) L
50**3ZCR				A/A, B/B, W/W R/R, A/W, B/W, W/R		.315/peak .125/avg per side						
5V1*	V-Series with directional	TIR Super-LED		A, R, B, W								
5V3*	V-Series	Super-LED		A, R, B, W warning, with W illumination	0.12 warning 1.0 alley 0.5 puddle							

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

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

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



5FLANGEB

56FLANGEC

5FLANGEP

5GROMMET

5BKT1

56BKT1

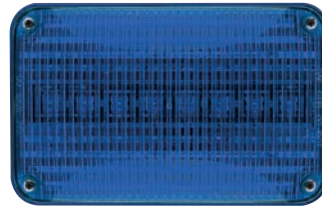
5TSMAC

5LSMAC

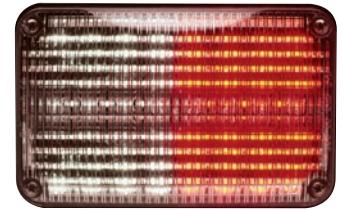
5BRUSH

600 Series

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



60B02SBR / 60B02FBR



60RC6FCR



6RBRC



6RBA

Model	Technology	Mount	Color	VDC	Amps	Patterns	Cable	Certifications	Size
60*02S*R	Linear Super-LED	Surface	A, R, B, W	12	1.4/peak .53/avg	Requires optional flasher	6" Pigtail	A, B, C, D, W	4-1/8" (105mm) H x 2" (50mm) D x 6-1/2" (165mm) L
60*02F*R					1.4/peak .53/avg	14 Scan-Lock™			
60**6FCR			R/A, R/B, R/W		.75/peak .3/avg per side	54 Scan-Lock			4-1/8" (105mm) H x 1-3/8" (35mm) D x 6-1/2" (165mm) L
6RB*	Rota-Beam Super-LED		A, R, B, W color lens		2.2/peak 1.1/avg	14 Scan-Lock		W	4-3/16" (106mm) H x 3-7/16" (88mm) D x 6-9/16" (167mm) L
6RB*C			A, R, B, W Clear lens						

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

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



6EFLANGE



6FLANGEB



6EHLTMK



CAST3 PLAST3V



CAST4V PLAST4V



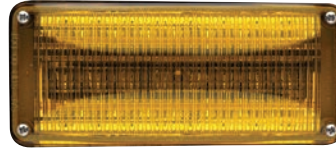
CAST3H



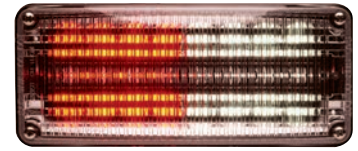
64FKIT

700 Series

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



70A02SAR / 70A02FAR



70RC6FCR

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

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

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



7FLANGEB



7EFLANGE



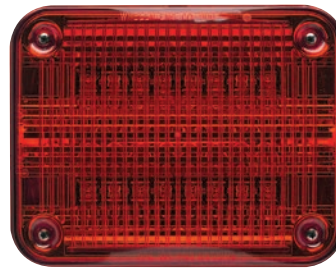
7CAST3



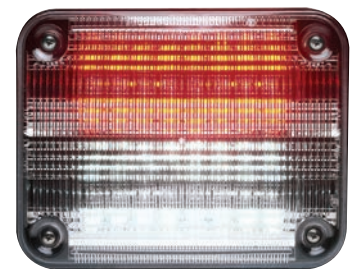
73FKIT

900 Series

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



90RR5SRR / 90RR5FRR



90RC5FCR

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

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

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



90FLANGC



90FLANGB



97FKIT

Lighthoods - Brake/Tail/Turn



LED Brake/Tail/Turn Lights

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



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

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



LED Turn Signals

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



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

Option Model						Option Description
M6	M9	400	600	700	900	
M6FC	M9FC	4EFLANGE	6EFLANGE	7EFLANGE	9EFLANGE	Chrome plated flange
M6FB	M9FB	4FLANGEB	6FLANGEB	7FLANGEB	9EFLANGEB	Black flange
M6BRUSH	M9BRUSH	-	-	-	-	Brush guard
M6FCV2	-	-	-	-	-	Chrome flange for two lighthoods, vertical
M6FCV3	-	-	PLAST3V	-	-	Chrome flange for three lighthoods, vertical
M6FCV4	-	-	PLAST4V	-	-	Chrome flange for four lighthoods, vertical
-	-	-	CAST3H	-	-	Three lighthouse cast aluminum housing, horizontal
-	-	-	CAST3	7CAST3	-	Three lighthouse cast aluminum housing, vertical
-	-	-	CAST4V	-	-	Four lighthouse cast aluminum housing, vertical
M6FC600	M9FC900	-	-	-	-	Chrome flange converts to hundred series lighthouse



Lighthoods - Back-up Lights



Super-LED® & LED Back-Up Lights

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



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

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



Super-LED® & LED Interior Lighting

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



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

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

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



Lightheads - White & Color Illumination



Super-LED® & LED Interior Lighting

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



Model	Series	Technology	Application	Color	Mount	Housing	Switch	Amps	Size		
3SC0CDRCR	3" Round	LED	Compartment	W	Surface, optional mounting available	Rubber gasket housing	-	.380	3" (76mm) Dia.		
3SROCDRR			Nighttime illumination	R				.300			
3SBCCDCR			Compartment	B/W				.310			
3SRCCDCR				R/W							
60COEHCR	6" Round	Super-LED	Compartment/interior	W	Surface	-	-	1.2/High .13/Low	6" (152mm) Dia. x 5/8" (16mm) D		
60COEJCS				On/Off			.70/High				
60CBEGCS				Dual switches for On/Off color and On/ Off and White			.70/White .50/Blue				
60CREGCS							.70/White .50/Red				
70CREGCS	700 Series	LED		R/W			Backlighted dual switches for On/Off color and White	.35/White .50/Red 2mA/ switch	3-1/16" (78mm) H x 1-1/4" (31mm) D x 7-1/4" (184mm) L		
80COEHCR	8" Round	Super-LED	Ambulance interior light	W	4 Screws, fits industry standard 8" cutout, no mounting hardware required	Chrome flange	Built-in Hi/Low intensity	1.2/High .13/Low	8-5/8" (218mm) Dia. x 1" (24mm) D		
80C00EZR										Fits 8" cutout with spring clip mounting, no mounting hardware required	White flange
8WC00EZR											
80CBEHCR				B/W	4 Screws	Chrome flange		1.5/White .50/color			
80CREHCR				R/W							

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



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

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



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

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

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



Super-LED® & LED Scenelights

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



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

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



Pioneer™ Series Work Lights



Pioneer Nano™



Pioneer Micro™



Pioneer SlimLine™



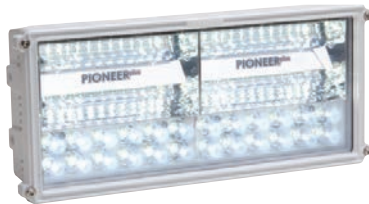
Pioneer Surface Mount



Pioneer & Pioneer Plus™



Pioneer Max™



Pioneer Quad™



With their structural design and innovative optic technology, Whelen's Pioneer Series Super-LED® Work Lights are reliable and efficient. Models feature a variety of sizes and mounting options for every application and price point.

For more information, request Whelen's Pioneer Series catalog



Pioneer Mounting Options



Lighting Certifications

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

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

Warning Lamps and Devices

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

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

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

Test Procedures and Materials

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

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

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

Signalling and Marking Lighting Devices and Systems

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

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

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

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

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

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

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

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

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

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

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

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

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

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

V **SAE J2261** - Stop Lamps and Front and Rear-Turn Signal Lamps for Use on Motor Vehicles 80" (2032mm) or More in Overall Width (Mar 96)

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

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

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

Tune in to **WeVision™**