AMBER ESSENTIALS

PROFESSIONAL WARNING AND LIGHTING

WHELEN ENGINEERING COMPANY, INC.

WHELEN®

MANUFACTURED IN AMERICA

TABLE OF CONTENTS

Visit us at whelen.com
To learn about our full line of emergency lighting and warning products.

To download WeCad™, Whelen Command®, and Pioneer™ Designer go to whelen.com/software-downloads

@WhelenENG

About Whelen

Whelen Engineering designs and manufactures reliable and powerful warning lights, white illumination lighting, sirens, controllers, and high-powered warning systems for Automotive and Mass Notification industries worldwide. Whelen products have been proudly designed and manufactured in America since 1952. With quality as the foundation, Whelen celebrates innovative engineering with every product made.

Manufactured in America for Over 70 Years. We never left and we're here to stay.

Chester, Connecticut facility

Charlestown, New Hampshire facility

Warranty Disclaimer

Effective January 1, 2024.
WeCanX® models have a 10-year warranty on I/O boards and lightheads. WeCan® models have a 2-year warranty on I/O boards and a 10-year warranty on lightheads. Low Current models have a 5-year warranty on I/O boards and a 10-year warranty on lightheads.

For our full warranty statement please visit www.whelen.com/warranty

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ICON LEGEND

12 12 Volt	**24** 24 Volt	**10-30** 10-30 Volts	**120** 120 AC	**IP67** IP67 Rated	**UL** AC Models UL Approved	**CRUISE** Cruise	**HARD COAT** Hard-coated	**LC** Low Current Switching	**SC** Standard Current	**SYNC** Sync	**WeCan** WeCan® Compatible	**WeCanX** WeCanX® Compatible
1YR 1 Year Warranty	**2YR** 2 Year Warranty	**5YR** 5 Year Warranty	**10YR** 10 Year Warranty	**SCAN-LOCK** Scan-Lock™	**STEADY-LOCK** Steady-Lock®	**DIAG** Real Time Diagnostics	**SAE CLASS 1** SAE Class 1	**SAE CLASS 2** SAE Class 2	**SAE CLASS 3** SAE Class 3	**TITLE 13*** CA Title 13 Available		

*Please contact Whelen for specific photometric information regarding CA Title 13 lighthead and configurable lightbar product conformance.

TECH GLOSSARY

BroadBand Blue™
BroadBand Blue delivers a higher intensity, creates a larger optical image, and produces a more consistent color, all while being easier on the eyes - especially at night.

Conformal Coating
A thin material that conforms to the contours of the PCB to protect the electronic components from harsh environments and impact.

DUO™
Two-color interleaved LEDs

DUO+™
Two-color interleaved LEDs with independent control of color one and color two

DVI™
DVI patterns gradually increase and decrease warning light intensity, which better conveys visual information to approaching motorists at night. These patterns clearly indicate when a vehicle is parked and improves a driver's ability to safely navigate around a work zone.

DYAD™
Two-level technology

E Block™
Whelen's patented E Block technology protects against the elements by creating a watertight seal around a unit's stranded wires to prevent moisture from entering the lighthead.

Encapsulated
Lightheads are fully encapsulated for moisture and vibration resistance.

Hard-Coat
Whelen's industry-first innovative Hard-Coating process counteracts the effects of environmental and chemical damages to our lenses and domes.

Linear-LED® - (Super-LED®)
Whelen's optimized use of the latest generation of LEDs and unique reflector optics to produce highly intense light that has superior wide-angle visibility and rivals strobe in performance.

Low Current
Low current function wires require less than 0.25 amp to operate, allowing for simple operation of each lightbar function.

ProFocus™
Whelen's innovative single optic LED technology that can be customized and programmed as a spotlight or floodlight, with no moving parts.

Proclera® Silicone Optics
Whelen's innovative and efficient solution to distorted optical shape and fringe lighting. Proclera Optics feature 100% internal silicone optic technology, an increased ability to harness LED output and better direct and focus light, and a fully-filled square TIR™ optic to increase optic efficiency compared to a conventional circular TIR.

Rota-Beam™
Solid-state "rotating" technology, simulating the appearance of a rotating beacon without any moving parts or motors for long-life reliability.

Scan-Lock™
Whelen's advanced method of changing a products flash pattern. Scan-Lock utilizes an external wire to allow the user to cycle through the entire range of flash patterns, allowing for full customization.

Scan-Lock™+
The Scan-Lock+ app is the simplest way to change Whelen flash patterns. Designed for optimal convenience, Scan-Lock+ features an easy to use interface and utilizes a Bluetooth connection. Download the Scan-Lock+ app and browse, test, and assign Whelen flash patterns right from your phone.

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.

Split
Two-color lighthead where each color fills half of the reflector

SOLO™
Single-color LEDs

Standard Current
Lightbar functions are wired directly to the switching device and require switches that are matched to the current draw of the desired functions to be activated.

Steady-Lock®
A time-saving feature that allows Whelen's most popular warning lightheads to be set to Steady automatically when used with a CenCom Core® system.

Super-LED®
Whelen's innovative LED technology

Sync
Sync provides the ability to connect multiple Whelen devices to flash together or in alternating patterns. Products with this capability allow the user to create coordinating flashing schemes.

TIR™ - (Total Internal Reflection)
Whelen's optimized use of the latest generation of LEDs and unique reflector optics to produce highly intense light that can be directional in nature.

TRIO™
Three-color interleaved LED's with independent control of color one, color two, and color three

WeCad™
Engineered for optimal accessibility, WeCad lightbar designer delivers the ability to design custom Whelen lightbars with every available option. Adding R65 compliant options is simple, and a bill of materials will be generated to make ordering fast and easy.

WeCan®
Whelen's proprietary CAN-based communication system

WeCanX®
Whelen's smartest and most powerful CAN-based communication system. WeCanX provides true system synchronization, greater speed capabilities, expanded peripheral add-ons, and full support of diagnostics.

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L31

500 Series

L50 SERIES

5YR | **12** | **SYNC** | **SCAN LOCK™** | **SAE CLASS 1** | **SAE CLASS 3**

*Features available across product family.
May not apply to every model*

L53AM

L51AP

FEATURES

- Twist-off dome
- Full reverse polarity protected
- 100% solid-state electronics
- Virtually no RFI/EMI radiation

- Conformal coated electronics for moisture and vibration resistance
- Polycarbonate base

Model	Mount	LED Color	Amps	VDC	Patterns	Compliance	Dimensions
L51AP	Permanent	Amber	1.5/Peak 0.6/Avg	12	25 Scan-Lock™	SAE Class 1	3.75" (95mm) H x 5" (127mm) Dia.
L51AM	Magnetic						
L53AP	Permanent		0.4/Peak 0.16/Avg		15 Scan-Lock	SAE Class 3	
L53AM	Magnetic				SignalAlert™ 75 Only		

Consult current price list for full list of available options at whelen.com/literature

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.

OPTION

MIRROR15
Mirror Mount Bracket

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L10 SERIES

5YR · **12** · **SYNC** · **SCAN LOCK™** · **SAE CLASS 1** · **iSOLO™**

Features available across product family.
May not apply to every model

L10LAP

L10HAP

FEATURES

- •Full reverse polarity protected
- •100% solid-state electronics
- •Conformal coated electronics for moisture and vibration resistance
- •Virtually no RFI/EMI radiation

Model	Mount	Profile	LED Color	Amps	VDC	Patterns	Compliance	Dimensions
L10HAM	Magnetic	High	Amber	1.0/Peak 0.4/Avg	12	SignalAlert™ 75 18 Scan-Lock™ (Magnetic/ Magnetic Suction Mounts Only)	SAE Class 1 (Amber)	6.4" (163mm) H x 6.3" (161mm) Dia.
L10HAP	Permanent	High						
L10HAV	Magnetic/Suction							
L10LAM	Magnetic	Low						4.9" (125mm) H x 6.3" (161mm) Dia.
L10LAP	Permanent	Low						
L10LAV	Magnetic/Suction							

Consult current price list for full list of available options at whelen.com/literature

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OPTIONS

MIRROR20
Mirror Mount Bracket

BGH
Branch Guard High

BGL
Branch Guard Low

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L21 SERIES

| 5YR | 12 | SYNC | SCAN LOCK™ | SAE CLASS 1 | SAE CLASS 3 | ISOLO™ |

Features available across product family.
May not apply to every model

L21LAM

L21HAP

FEATURES

• Full reverse polarity protected
• 100% solid-state electronics
• Fully encapsulated for moisture, vibration, and corrosion resistance
• Virtually no RFI/EMI radiation
• Polycarbonate base

Model	Mount	Profile	LED Color	Lens Color	Amps	VDC	Patterns	Compliance	Dimensions
L21HAP	Permanent	High	Amber	Amber	1.5/Peak 0.6/Avg	12	25 Scan-Lock™ Including Steady-Burn (Permanent Mount Only) SignalAlert™ 75 Default, 25 Scan-Lock (Magnetic/Magnetic Suction Mounts Only)	J845 Class 1 (Amber) & J595 Class 3 (Amber)	6.81" (172mm) H x 6.44" (163mm) Dia.
L21HAM	Magnetic								
L21H1P	Permanent	Low	Amber/ White	Clear					
L21L1P									
L21HAV	Magnetic/ Suction		Amber	Amber					
L21LAP	Combination								5.31" (134mm) H x 6.44" (163mm) Dia.
L21LAM	Magnetic								
L21LAV	Magnetic/ Suction								

Consult current price list for full list of available options at whelen.com/literature

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OPTIONS

MIRROR20
Mirror Mount Bracket

BGH
Branch Guard High

BGL
Branch Guard Low

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L41 SERIES

| 5YR | 12 | 24 | SYNC | SCAN LOCK™ | HARD COAT | SAE CLASS 1 |

Features available across product family. May not apply to every model

L41AP

L41AM

FEATURES

• Self-cleaning dome
• Full reverse polarity protected
• 100% solid-state electronics
• Fully encapsulated for moisture, vibration, and corrosion resistance
• Virtually no RFI/EMI radiation
• Die-cast aluminum powder-coated base

Model	Mount	LED Color	Lens Color	Amps	VDC	Patterns	Control	Compliance	Dimensions
L41AP	Permanent	Amber	Amber	1.5/Peak 0.6/Avg @ 12VDC	12/24	SignalAlert™ 75 Default	Photocell Hi/Low on Permanent Mount Only (Special Order Only, Please Contact Factory)	SAE Class 1 (Amber)	4.75" (121mm) H x 6.44" (164mm) Dia.
L41AM	Magnetic								
L41AV	Magnetic/ Suction			0.75/Peak 0.3/Avg @ 24VDC		25 Scan-Lock™ Including Steady-Burn			
L411P	Permanent	Amber/ White	Clear						

Consult current price list for full list of available options at whelen.com/literature

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

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L31 with Branch Guard Kit

L31 & L32 SERIES

5YR | **12** | **24** | **HARD COAT** | **SAE CLASS 1** | **SCAN LOCK™** | **TITLE 13*** | **ISOLO™**

Features available across product family. May not apply to every model
*Please contact Whelen for specific photometric information regarding
CA Title 13 lighthead and configurable lightbar product conformance.

L31HAF

L32LAF

FEATURES

- Self-cleaning dome
- Full reverse polarity protected
- 100% solid-state electronics
- Conformal coated electronics
- Virtually no RFI/EMI radiation
- Die-cast alumninum base
- Hi/Low Intensity Control (Permanent Mount Only)

Model	Mount	Profile	LED Color	Lens Color	Amps	VDC	Patterns	Compliance	Dimensions
L31HAF	Permanent	High	Amber	Amber	5.0/Peak 2.0/Avg	12	Permanent Mount 69 Scan-Lock™ Including 4 Simulated Rotating Patterns Magnetic Mount SignalAlert™ 75 Only (Magnetic/Magnetic Suction Mounts Only)	SAE Class 1 (Amber)	4" (102mm) H x 7.19" (182mm) Dia
L31HAM	Magnetic								
L31HAV	Magnetic/Suction					24			
L31HAF4	Permanent							Meets CA T13	
L31HAFCA									
L31H1F			Amber/White	Clear				-	
L31L1F		Low				12		-	2.63" (67mm) H x 7.19" (182mm) Dia.
L32LAF			Amber	Amber	2.0/Peak 0.8/Avg			SAE Class 1 (Amber)	
L32LAM	Magnetic								
L32LAV	Magnetic/Suction								

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Responder® LP

QuickFit™

QUICKFIT™

2YR

Features available across product family. May not apply to every model

Shown in White

Shown in Black with OE Brake Light

FEATURES

- Mounts a variety of emergency lighting without any vehicle damage, including Whelen beacons and the following mini lightbars: Responder® LP, Mini Century™, Mini Liberty™ II, and Mini Legacy®
- Durable powder-coated aluminum or steel construction in Black or White
- Vehicle-specific vacuum-formed install kits provide a perfect fit

- Bolt-on installation system with fixed brackets requires no cutting or drilling
- Quickly and easily mounts using the screw holes of the vehicle's third brake light
- Designed to keep a level mounting surface for the life of the install
- Usable mounting area is approximately 7.25" (184.15mm) W x 17.25" (433mm) L

Model	Description
QFFORD1	Ford F-150, 2015-2023, and F-250/F-350 Super Duty, 2017-2023, Black Powder-Coated Aluminum Housing*
QFFORD1W	Ford F-150, 2015-2023, and F250/F-350 Super Duty, 2017-2023 White Powder-Coated Aluminum Housing*
QFFORD1S	Ford F-150, 2015-2023, and F250/F-350 Super Duty, 2017-2023 Black Powder-Coated Steel Housing
QFFRD1SW	Ford F-150, 2015-2023, and F-250/F-350 Super Duty, 2017-2023, White Powder-Coated Steel Housing
QFGM2	Chevy Silverado 1500 with Spoiler, 2019-2023, Black Powder-Coated Aluminum Housing *
QFGM2W	Chevy Silverado 1500 with Spoiler, 2019-2023, White Powder-Coated Aluminum Housing *
QFGM2S	Chevy Silverado 1500 with Spoiler, 2019-2023, Black Powder-Coated Steel Housing
QFGM2SW	Chevy Silverado 1500 with Spoiler, 2019-2023, White Powder-Coated Steel Housing
QFRAM2	Ram 1500 Classic, 2019-2021, Black Powder-Coated Aluminum Housing*
QFRAM2W	Ram 1500 Classic, 2019-2021, White Powder-Coated Aluminum Housing*
QFRAM2S	Ram 1500 Classic, 2019-2021, Black Powder-Coated Steel Housing
QFRAM2SW	Ram 1500 Classic, 2019-2021, White Powder-Coated Steel Housing

***Note:** Aluminum housings are not for use with magnetic mount lights*

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PIONEER NANO™

5YR | **12** | **IP67** | **HARD COAT**

Features available across product family.
May not apply to every model

NP3BW

NP3BB

NP6BB

FEATURES

- 8° spotlight pattern standard
- Includes an additional 40° x 20° flood optic lens
- Optic lens changes easily via removable lens retainer
- Injection-molded polycarbonate lenses are impact resistant
- Die-cast aluminum powder-coated housing

- Solid-state electronics
- LEDs are instant On/Off, eliminating high inrush current and ramp-up time
- Correlated Color Temperature (CCT) of 5,700° Kelvin simulates bright midday light
- Includes 72" cable

Model	Mount	Housing	Diodes	Amps	VDC	Lumens	Dimensions
NP3BW	3-LED, with Bail	White	3	1.0	12	1,566	3.5" (89mm) W x 2.25" (57mm) H x 1.75" (44mm) D
NP3BB		Black					
NP6BW	6-LED, with Bail	White	6	1.5		2,552	3.5" (89mm) W x 3" (76mm) H x 1.75" (44mm) D
NP6BB		Black					

Consult current price list for full list of available options at whelen.com/literature.

RUBBER HOUSING SPOT/FLOODLIGHT

5YR | **12** | **24** | **HARD COAT**

Features available across product family.
May not apply to every model

P36SLCHG

FEATURES

- Rubber housing with stainless steel stud/swivel
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals

Model	Description	Amps	VDC	Lumens	Dimensions
P36SLCHG	PAR-36, Combination Spotlight/Floodlight	0.85 @ 12 VDC 0.43 @ 24 VDC	12/24	700	5.5" (139mm) H x 3.75" (94mm) D x 4.81" (122mm) Dia

Consult current price list for full list of available options at whelen.com/literature.

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500 SERIES

5YR · **12** · **SYNC** · **SCAN LOCK** · **HARD COAT** · **SAE CLASS 1** · **SAE CLASS 2** · **TITLE 13***

Features available across product family.
May not apply to every model

50A03ZAR

50C03ZCR

FEATURES

•Directional optics
•Fully encapsulated for moisture, vibration, and corrosion resistance
•Requires additional mounting, see options below
•6" pigtail included

Model	LED Color	Lens Color	Amps	VDC	Patterns	Compliance	Dimensions
50A03ZAR	Amber	Amber	0.63/Peak 0.32/Avg	12	25 Scan-Lock™	J595 Class 1 (Amber) J845 Class 2 (Amber) & CA T13	5" (127mm) W x 1.63" (41mm) H x 1.38" (35mm) D
50A03ZCR		Clear					
50C03ZCR	White					J595 Class 1	

Consult current price list for full list of available options at whelen.com/literature

OPTIONS

5GROMMET
Grommet

5TSMAB
Black Surface
Mount Adapter

5TSMAC
Chrome-Plated
Surface Mount Adapter

2G & 5G SERIES

5YR · **12** · **SCAN LOCK** · **HARD COAT** · **SAE CLASS 1** · **SAE CLASS 2**

Features available across product family.
May not apply to every model

FEATURES

•Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
•Fully encapsulated for moisture, vibration, and corrosion resistance
•12" pigtail and vinyl grommet included

2GA00FAR

5GA00FAR

Model	Description	Lens Color	Amps	VDC	Patterns	Compliance	Dimensions
2GA00FAR	4" Round LED Warning Light, Amber	Amber	0.5/ Peak 0.3/Avg	12	15 Scan-Lock™	J595 Class 1	1.25" (32mm) D x 5.5" (140mm) Dia. (with grommet)
5GA00FAR	6" Oval LED Warning Light, Amber					J595 Class 1 (Amber) & J845 Class 2 (Amber)	7.44" (189mm) W x 3.19" (81mm) H x 1.25" (32mm) D (with grommet)
5GA00FCR		Clear					

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T-SERIES™ & MINI T-SERIES™

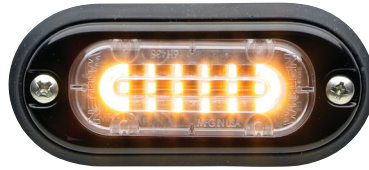| 10YR | 12 | SAE CLASS 1 | TITLE 13* | IP67 | HARD COAT | SYNC | SCAN LOCK™ | STEADY-LOCK™ | ISOLO™ | IDUO™ |

Features available across product family. May not apply to every model

*Please contact Whelen for specific photometric information regarding CA Title 13 lighthead and configurable lightbar product conformance.

TLIC

TLMIA

T-Series profile

FEATURES

- Linear Super-LED® optics
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Surface mount via 2 screws for easy installation

- Clear lens included
- 4-wire 6" pigtail and Black mounting flange included
- Sync to other Whelen Sync products

T-Series Model	LED Color	Amps	VDC	Patterns	Compliance	Dimensions
TLIA	Amber	0.6/Peak 0.24/Avg	12	25 Scan-Lock™	SAE Class 1 & CA T13	5.14" (131mm) W x 1.49" (38mm) H x 0.52" (13mm) D
TLIC	White					
TLI2F	Amber/White			69 Scan-Lock™	SAE Class 1	
TLI2K	Amber/Red					
TLI2M	Amber/Blue					
TLI2P	Amber/Green					
Mini T-Series Model	LED Color	Amps	VDC	Patterns	Compliance	Dimensions
TLMIA	Amber	0.4/Peak 0.16/Avg	12	25 Scan-Lock™	SAE Class 1	3.34" (85mm) W x 1.49" (38mm) H x 0.54" (14mm) D
TLMIC	White					
TLMI2F	Amber/White					
TLMI2K	Amber/Red					
TLMI2M	Amber/Blue					
TLMI2P	Amber/Green					

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ION™ SERIES

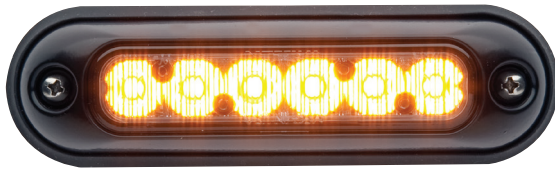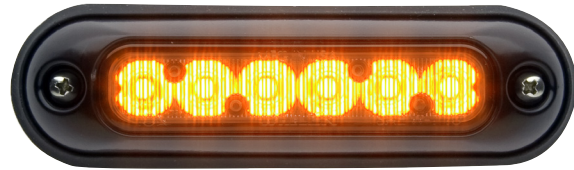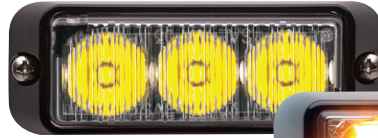| 10YR | 12 | HARD COAT | SYNC | SCAN LOCK™ | STEADY-LOCK | SAE CLASS 1 | SAE CLASS 2 | TITLE 13* | ISOLO™ IDUO™ |

Features available across product family. May not apply to every model

*Please contact Whelen for specific photometric information regarding CA Title 13 lighthead and configurable lightbar product conformance.

IONSMA

WIONSMA

FEATURES

- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Surface mount via 2 screws for easy installation
- 12" pigtail and vinyl grommet included

Model	Lamp Type	LED Color	Amps	VDC	Patterns	Compliance	Dimensions
IONSMA	Directional	Amber	1.0/Peak 0.4/Avg	12	33 Scan-Lock™	SAE Class 1 for Both J845 and 595 & CA T13	5.94" (150mm) W x 1.68" (43mm) H x 1.13" (28mm) D
IONSMC		White				SAE J595 Class 1	
IONSMF		Amber/White				SAE J595 Class 1 & J845 Class 2	
WIONSMA	Wide-Angle	Amber				SAE Class 1 for Both J845 and 595 & CA T13	
WIONSMC		White				SAE Class 1 for Both J845 and 595	
WIONSMF		Amber/White				SAE Class 1 for Both J845 and 595	

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TIR3™/LIN3™ SERIES

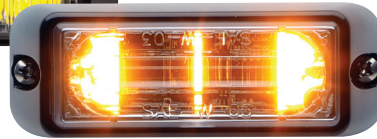[5YR] [12] [SYNC] [SCAN LOCK™] [HARD COAT] [SAE CLASS 1] |SOLO™

Features available across product family.
May not apply to every model

TIR3 in Dual
Chrome Housing

TIR3 Horizontal Mount

LIN3

TIR3 Vertical
Mount

FEATURES

- Directional TIR3 or LIN3 optics
- Fully encapsulated for moisture, vibration, and corrosion resistance
- Surface mount via 2 screws for easy installation
- 6" pigtail cable and Black polycarbonate flange included
- Sync to other Whelen Sync products
- Clear lens

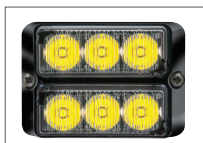| Model	Technology	Mount	Color	Amps	VDC	Patterns	Compliance	Dimensions
RSA03ZCR	TIR3 Super-LED®	Horizontal	Amber	0.4/Peak 0.16/Avg	12	25 Scan-Lock™	SAE Class 1	3.5" (89mm) W x 1.13" (28mm) H x 1.25" (32mm) D
RSC03ZCR			White					
RVA03ZCR		Vertical	Amber					
RVC03ZCR			White					
RSA02ZCR	LIN3 Super-LED	Horizontal	Amber					
RSC02ZCR			White					

Consult current price list for full list of available options at whelen.com/literature

[●○]

OPTIONS

RFLANGCD
Chrome Flange

RFLANG2B/RFLANG2C
Dual Surface Mount
Flange, Black or Chrome

RBKT1
"L" Mounting Bracket
For One Lighthead

RBKT2
"L" Mounting Bracket
For Two Lightheads

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VERTEX™ SERIES

| 10YR | 12 | SYNC | SCAN LOCK™ | SAE CLASS 2 | SAE CLASS 3 | SOLO™ | DUO™ |

Features available across product family.
May not apply to every model

VTX609A

VTX609C

FEATURES

- Self-contained light with in-line lamp driver
- Produces light in a hemispheric pattern
- Omni-directional optics
- Fully encapsulated for moisture, vibration, and corrosion resistance

- Sync to other Whelen Sync products
- Mounts internally within composite headlight and taillight assemblies
- Includes a 9' pre-wired and sealed 4-C/22-gauge cable with power, pattern, and synchronize wires

Model	LED Color	Technology	Mount	Amps	VDC	Patterns	Compliance	Dimensions
VTX609A	Amber	Super-LED®	1" Hole Recess Or Surface (Mounting Purchased Separately)	0.75/Peak 0.3/Avg	12	25 Scan-Lock™	SAE Class 2	1" (26mm) H x 1.63" (41mm) Dia.
VTX609C	White							
VTX9F	Amber/White						SAE Class 3	
VTX9K	Amber/Red							
VTX9M	Amber/Blue							
VTX9P	Amber/Green						-	

Consult current price list for full list of available options at whelen.com/literature

OPTIONS

VTXFB Black Flange

VTXFC Chrome Flange

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JUSTICE® SERIES

5YR · 12 · SC · HARD COAT · SCAN LOCK · SAE CLASS 1 · |SOLO™

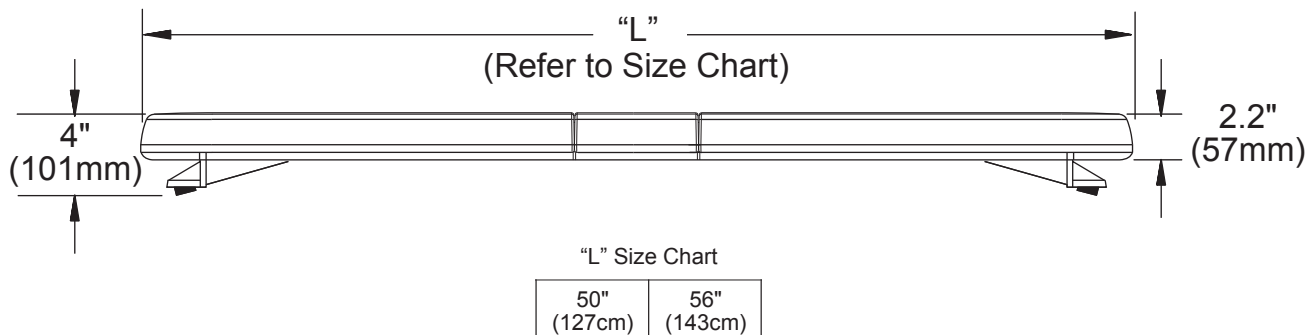*Features available across product family. May not apply to every model*

JEF8AMB

FEATURES

- Linear Super-LED® technology
- Black polycarbonate base on extruded aluminum platform
- 4-Corner Linear Super-LED®
- Amber LEDs with Clear lens

- Advanced thermal design
- 15' passenger side exit cable
- Easily upgraded in the field
- Includes Mounting Kit 29, allowing for permanent or strap mounting (strap kit purchased separately)

Model	Modules	VDC	Compliance	Patterns	Amps	Dimensions
JEF8AMB	14 CON3™ Inboard Modules	12	SAE Class 1	52 Scan-Lock™	8.0/Peak 3.2/Avg	50" (127cm) L x 2.2"(57mm) H x 12" (304mm) W
JEF2AMB	16 CON3 Inboard Modules					56" (143cm) L x 2.2"(57mm) H x 12" (304mm) W

DIMENSIONS

"L"
(Refer to Size Chart)

4"
(101mm)

2.2"
(57mm)

"L" Size Chart

50" (127cm)	56" (143cm)

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MINI LIBERTY™ II SERIES

| 5YR | 12 ∿ | SC | SCAN LOCK | HARD COAT | SAE CLASS 1 | SOLO™ | PROCLERA SILICONE OPTICS |

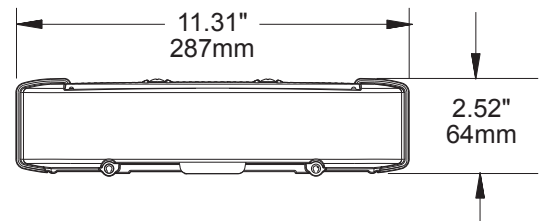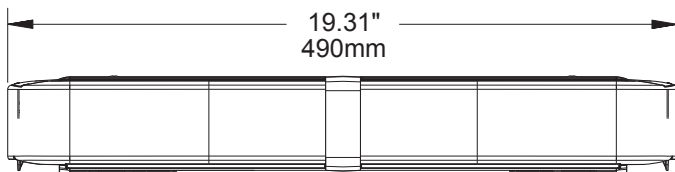*Features available across product family. May not apply to every model*

IT9AAAAP

FEATURES

•4-Corner Linear Super-LED® modules
•Extruded aluminum base
•Amber LEDs with Clear lens

•Clear polycarbonate dome
•100% solid-state electronics
•Advanced thermal design

Model	Mount	VDC	Compliance	Amps	Patterns	Dimensions
IT9AAAAP	Permanent	12	SAE Class 1	4.0/Peak 1.6/Avg	67 Scan-Lock™ for Permanent Mount	19.31" (490mm) L x 2.52" (64mm) H x 11.31" (287mm) W
IT9AAAAM	Magnetic				SignalAlert™ 75 for Magnetic Mount	

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

🟡

DIMENSIONS

19.31"
490mm

11.31"
287mm

2.52"
64mm

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MINI JUSTICE® SERIES

5YR | **12** | **SC** | **SCAN LOCK™** | **HARD COAT** | **SAE CLASS 1** | **SOLO™** | **PROCLERA** SILICONE OPTICS
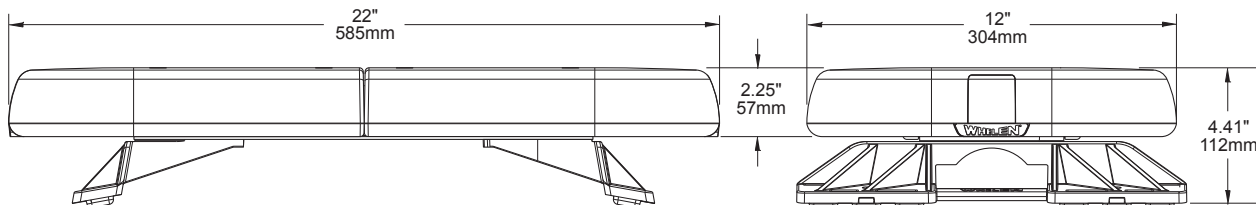

MJEG1A

FEATURES

- 4-corner Linear-LED® modules and 4 Conical inboard modules
- Linear & CON3™ Super-LED®
- Black polycarbonate base on extruded aluminum platform

- Clear polycarbonate dome
- 100% solid-state electronics
- Preconfigured lightbars

Model	Mount	LED Color	Amps	VDC	Compliance	Patterns	Dimensions
MJEG1A	Magnetic	Amber	6.0/Peak 2.4/Avg (4-corner Only)	12	SAE Class 1	95 Scan-Lock™ (permanent mount)	22" (585mm) L x 2.25" (57mm) H x 12" (304mm) W
MJEG1F	Magnetic	Amber/White					
MJEP1A	Permanent	Amber					
MJEP1F	Permanent	Amber/White					
MJEG1M	Magnetic	Amber/Blue					
MJEP1M	Permanent	Amber/Blue					
MJES1A	Stud	Amber					

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

DIMENSIONS

22" 585mm

2.25" 57mm

12" 304mm

4.41" 112mm

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MINI CENTURY™ SERIES

5YR | **12** | **SC** | **SCAN LOCK™** | **HARD COAT** | **SAE CLASS 1** | **|SOLO**™

Features available across product family. May not apply to every model

MC23VA

MC16PA

MC11MA

FEATURES

- •4-corner Linear Super-LED® modules and TIR6™ Super-LED inboards
- •Extruded aluminum platform
- •Polycarbonate dome
- •Compression fit gasket

- •Preconfigured lightbars
- •100% solid-state electronics
- •Standard current switching and patterns
- •17 Scan-Lock™ flash patterns
- •Aluminum base

Model	Mount	LED Color	Dome Color	VDC	Compliance	Amps	Dimensions
MC11MA	Magnetic	Amber	Amber	12	SAE Class 1	3.6/Peak 2.2/Avg	11.50" (292mm) L x 2.4" (61mm) H x 7.74" (197mm) W
MC11MCA	Magnetic	Amber	Clear				
MC11PA	Permanent	Amber	Amber				
MC11SA	Stud	Amber	Clear				
MC11SCA	Stud	Amber/White	Clear				
MC16PA	Permanent	Amber	Clear			4.8/Peak 3.0/Avg	16.56" (421mm) L x 2.4" (61mm) H x 7.74" (197mm) W
MC16PCA	Permanent	Amber	Clear				
MC16PF	Permanent	Amber Driver, White Passenger	Clear				
MC16PM	Permanent	Amber/Blue	Clear				
MC16MA	Magnetic	Amber	Amber				
MC16MCA	Magnetic	Amber	Clear				
MC16MF	Magnetic	Amber Driver, White Passenger	Clear				
MC16VA	Magnetic/Suction	Amber	Amber				
MC16VCA	Magnetic/Suction	Amber	Clear				
MC16VF	Magnetic/Suction	Amber Driver, White Passenger	Clear				
MC16VM	Magnetic/Suction	Amber/Blue	Clear				
MC16SA	Stud	Amber	Amber				
MC16SF	Stud	Amber Driver, White Passenger	Clear				
MC23PA	Permanent	Amber	Amber			7.2/Peak 4.4/Avg	23.26" (591mm) L x 2.4" (61mm) H x 7.74" (197mm) W
MC23PCA	Permanent	Amber	Clear				
MC23PF	Permanent	Amber Driver, White Passenger	Clear				
MC23PM	Permanent	Amber/Blue	Clear				
MC23MA	Magnetic	Amber	Amber				
MC23MCA	Magnetic	Amber	Clear				
MC23MF	Magnetic	Amber Driver, White Passenger	Clear				
MC23VA	Magnetic/Suction	Amber	Amber				
MC23VCA	Magnetic/Suction	Amber	Clear				
MC23VF	Magnetic/Suction	Amber Driver, White Passenger	Clear				
MC23VM	Magnetic/Suction	Amber/Blue	Clear				
MC23SA	Stud	Amber	Amber				
MC23SCA	Stud	Amber	Clear				
MC23SF	Stud	Amber Driver, White Passenger	Clear				
MC23SM	Stud	Amber/Blue	Clear				

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

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Responder® R1LPMA

RESPONDER® R1LP SERIES

5YR | **12** | **SC** | **SYNC** | **SCAN LOCK™** | **HARD COAT** | **SAE CLASS 1** | **SOLO™**

Features available across product family. May not apply to every model

R1LPVF

R1LPPA

FEATURES

- •6 Conical modules
- •CON3™ Super-LED®
- •Polycarbonate dome
- •100% solid-state electronics
- •Black polycarbonate base and platform

Model	Mount	LED Color	Dome Color	VDC	Compliance	Amps	Patterns	Dimensions
R1LPPA	Permanent	Amber	Amber	12	SAE Class 1	3.0/Peak 1.2/Avg	55 Scan-Lock™ Including 4 Simulated Rotating Patterns (Permanent Mount Only) ActionScan™ Default (Magnetic Mount Only)	17" (432mm) L x 2.88" (73mm) H x 6.31" (160mm) W
R1LPPF		Amber/White	Clear					
R1LPPP		Amber/Green						
R1LPPCA		Amber						
R1LPMA	Magnetic	Amber	Amber					
R1LPMCA		Amber	Clear					
R1LPMF		Amber/White						
R1LPVA	Magnetic/Suction	Amber	Amber					
R1LPVCA			Clear					
R1LPVF		Amber/White						

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Responder® R2LPVA

RESPONDER® R2LP SERIES

5YR | 12 | SC | SYNC | SCAN LOCK™ | HARD COAT | SAE CLASS 1 | ǏSOLO™

*Features available across product family.
May not apply to every model*

FEATURES

- 6 Linear Super-LED® modules
- Polycarbonate or aluminum platform
- Polycarbonate dome
- 100% solid-state electronics
- ActionScan™ flash patterns default (magnetic mount only)

R2LPMF

Model	Mount	Base	LED Color	Dome Color	VDC	Compliance	Amps	Patterns	Dimensions
R2LPPA	Permanent	Polycarbonate	Amber	Amber	12	SAE Class 1	6.0/Peak 2.4/Avg	55 Scan-Lock™ Including 4 Simulated Rotating Patterns (Permanent Mount Only) ActionScan™ Default (Magnetic Mount Only)	17" (432mm) L x 2.88" (73mm) H x 6.31" (160mm) W
R2LPPCA				Clear					
R2LPPF			Amber/White						
R2LPPM			Amber/Blue						
R2LPMA	Magnetic		Amber	Amber					
R2LPMCA				Clear					
R2LPMF			Amber/White	Clear					
R2LPVA	Magnetic/ Suction		Amber	Amber					
R2LPVCA				Clear					
R2LPVF			Amber/White						
R2LPHPA	Permanent	Aluminum	Amber	Amber					17" (432mm) L x 3.25" (82mm) H x 6.31" (160mm) W
R2LPHPCA				Clear					
R2LPHMA	Magnetic								
R2PHMCA									
R2LPHVA	Magnetic/ Suction								
R2PHVCA									

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Traffic Advisor™ TAC8

TRAFFIC ADVISOR™ FRONT LOAD

5YR | **12** | **HARD COAT** | **SAE CLASS 1** | **I SOLO™**

Features available across product family. May not apply to every model

TACF85

TACTL5 control head
included with models

FEATURES

- Interior or exterior applications
- Left arrow, right arrow, split arrow, and warning function
- Extruded aluminum housing
- Fully encapsulated for moisture, vibration, and corrosion resistance

Model	Lamps	Lightheads	Description	VDC	Compliance	Dimensions
TACF85	8	CON3™	15' Cable, Includes Clear Lens and TACTL5 Control Head	12	SAE Class 1	45.13" (115cm) L x 2.38" (60mm) H x 2.38" (60mm) W
TACF85LH			15' Cable, Includes Amber Lens and TACTL5 Control Head			

Consult current price list for full list of available options at whelen.com/literature

TRAFFIC ADVISOR™ 2200 SERIES

2YR | **10YR** | **10-30** | **IP67** | **HARD COAT** | **LC** | **SAE CLASS 1** | **TITLE 13***

- Utilizes powerful ION T-Series lightheads with patented E Block™ technology
- Low current switching
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Slide bolt mounting

TA2240F

TACTL5 control head
included with models

Model	Modules	VDC	Compliance	Dimensions	Length
TA2230F	6	10-30	SAE Class 1 & CA T13	1.66" (42mm) H x 2.28" (58mm) D	32" (81cm)
TA2240F	8				42" (106cm)

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TRAFFIC ADVISOR™ TAC8 (ECONOMY)

5YR **12** **IP67** **HARD COAT** **SAE CLASS 1** **|SOLO™**

Features available across product family.
May not apply to every model

TAC815

FEATURES

- Black extruded aluminum housing
- 4 operating modes: left, right, split, or flashing
- Control head mounting kit included and allows for VHB double-sided adhesive, Velcro®, and permanent mount
- Rear dip switch provides 8 flash pattern choices

Model	Lamps	Lightheads	Description	VDC	Compliance	Dimensions
TAC815	8	SOLO™ Super-LED®	15' Cable, Includes Control Head	12	SAE Class 1	47.75" (121cm) L x 2" (60mm) H x 2.64" (70mm) W
TAC830			30' Cable, Includes Control Head			
TAC850			50' Cable, Includes Control Head			

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