DVI™
ENABLED
DYNAMIC VARIABLE INTENSITY™

LAD1DER

PROUDLY ENGINEERED & MANUFACTURED

LIFETIME WARRANTY

WHELEN

IN AMERICA

WHELEN®

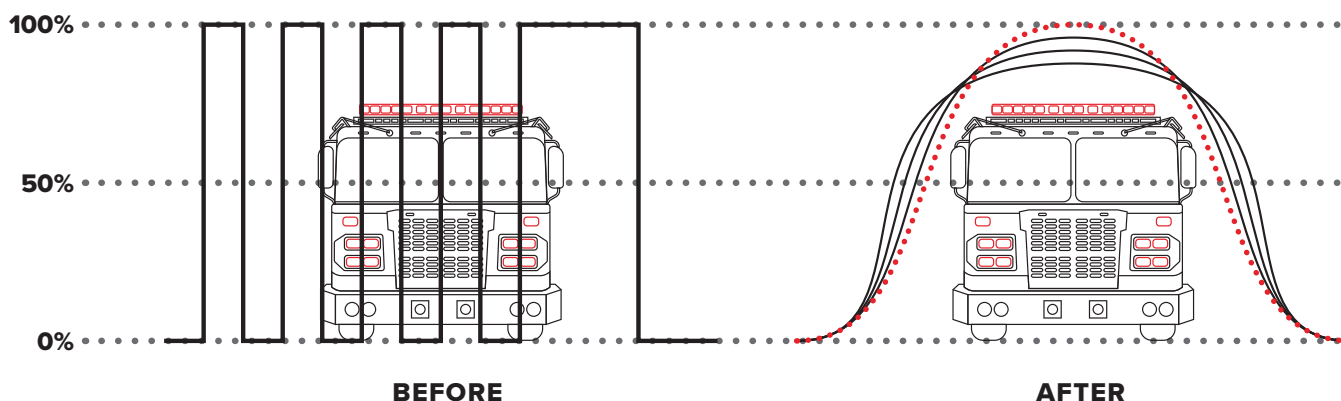**MANUFACTURED IN AMERICA**

THE FUTURE OF ENHANCED NIGHTTIME SAFETY IS HERE

Dynamic Variable Intensity™ flash patterns are designed to create a calm warning environment and bring an advanced level of safety to nighttime emergency scenes.

DVI™ patterns gradually increase and decrease warning light intensity, which better conveys visual information to approaching motorists at night. These patterns clearly indicate when an emergency vehicle is parked and improve a driver's ability to navigate around an emergency scene safely, while meeting all optical requirements of NFPA and SAE standards when properly configured.

BEFORE   AFTER

DVI™ ENABLED PRODUCTS | DVI ENABLED

DVI elevates our most premium products to an advanced level of nighttime safety.

Contact your regional Whelen Authorized Managing Sales Representative (AMSR) to inquire about adding nighttime dimming with DVI and ensure your enhanced lighting package meets NFPA standards.

- DVI ENABLED products operate identically to their current models, for easy and familiar installation.
- DVI mode can be set as a default pattern.
- DVI ENABLED products integrate seamlessly into an OEM's low-intensity wire harness.
- DVI can be automated by connecting a Whelen LCPHOTO to the low-intensity wire.
- When properly configured, DVI ENABLED products meet NFPA 1900 standards.

For additional details please visit www.whelen.com/nighttimesafety/

DVI ENABLED | WHELEN® MANUFACTURED IN AMERICA

▎FREEDOM® IV WECANX®

LIFETIME WARRANTY

Whelen's Freedom IV Series features advanced Linear Super-LED® optics and 360° of contiguous light.

- Linear Super-LED technology
- Full length Freedom IV WeCanX lightbars are DVI™ ENABLED
- Freedom IV WeCanX (NFPA) lightbars use an 18-input WeCanX Control Point – converts to a simple 12-volt activated product with low-intensity wire
- SOLO™, DUO™, or DYAD™ technology
- Advanced Thermal Design reduces the stress on LEDs during extended dwell time
- Aluminum top repels hail and other environmental damages
- Center dividers with liquid injection molded seals protect internal components from water infiltration
- Default Patterns:
  - High Intensity – SignalAlert™ 75
  - Low Intensity – DVI 75

- One piece uni-dome construction with a single sealing point assures lightbar integrity in all weather conditions
- Microprocessor controlled
- Extruded aluminum platform for long-life dependability
- Hard-coated lenses resist environmental damage from sand, salt, sun, and road chemicals
- Clear outer domes with Clear dividers
- Color domes for center and end sections with optional alley window
- Includes 16' passenger-side cable
- Lifetime Warranty

SPECS
- 12 VDC
- Amps:
  - High Intensity – 1.68 Amp (Peak) and 0.67 Amp (Average) per corner
  - Low Intensity – 1.25 Amp (Peak) and 0.50 Amp (Average) per directional
- Dimensions without mounting feet: 3.75" (95mm) H, 12.5" (318mm) W

CERTIFICATIONS
- SAE Class 1*
- NFPA 1900*

*When apparatus is appropriately configured as listed in the applicable standard

For additional details please visit www.whelen.com

Download WeCad™ for models and options at whelen.com/software-downloads

DVI ENABLED | WHELEN® MANUFACTURED IN AMERICA |

▎MINI FREEDOM® IV WECANX®

LIFETIME WARRANTY

A compact version of the high-performance Freedom IV

- Linear Super-LED® technology
- Mini Freedom IV WeCanX lightbars use an 18-input WeCanX Control Point – converts to a simple 12-volt activated product with low-intensity wire
- Extruded aluminum platform for long-life dependability
- Hard-coated lenses resist environmental damage from sand, salt, sun, and road chemicals
- Color filters available for full customization
- Lifetime Warranty

For additional details please visit www.whelen.com

SPECS
- 12 VDC
- Amps: 9 Amps (Average)
- Dimensions: 21.5" (546mm) L x 3.46" (87mm) H x 12.41" (315mm) D

CERTIFICATIONS
- SAE Class 1*
- NFPA 1900*

* When apparatus is appropriately configured as listed in the applicable standard

Download WeCad™ for models and options at whelen.com/software-downloads

DVI ENABLED™

WHELEN
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WECANX® 2250

LIFETIME
WARRANTY

The WeCanX 2250 Warning Light Array packs more power into a sleeker design with a wide variety of light configurations to meet your needs. Combining the performance and reliability of our powerful ION™ T-Series™ lightheads with the customization and control of WeCanX, its versatility makes it an ideal lighting solution for a wide range of applications such as ambulances and fire apparatus.

WeCanX 2250 is slimmer than our 4500 Series, provides warning options, and allows aerial recognition. Choose flat end caps, or angled to create a unique, multi-angled light spread. Snap-in assembly allows lightheads to be easily removed for customization and field serviceability. Whelen Command® enables endless configurations, and lighthead placements are easily arranged within WeCad™.

- Utilizes powerful ION T-Series lightheads with patented E Block™ technology to prevent moisture from entering the lighthead
- 3″ slimmer than 4500 series
- Flush mount (slide bolt)
- Powered by WeCanX technology
- Functionality configurable in Whelen Command®

- Lighthead configurations easily defined within Whelen's WeCad™ Software
- DUO™ support in warning light options
- Angled or flat end caps
- Available in multiple lengths
- Aerial recognition option
- Lifetime Warranty

SPECS
- 10-30 VDC
- Dimensions: 2.28″ D x 1.66″ (2.57″ with Vertex™) H x 30″ (6-light), 40″ (8-light), 50″ (10-light), 60″ (12-light), 70″ (14-light), 80″ (16-light)

CERTIFICATIONS
- SAE Class 1

For additional details please visit www.whelen.com

Download WeCad™ for models and options at whelen.com/software-downloads

M SERIES™

LIFETIME WARRANTY

With a unique lens shape and patented Linear-LED® designed reflector assembly, M Series lightheads are completely illuminated for unmatched high-intensity warning and low current consumption.
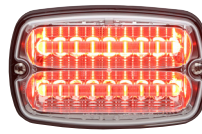
- Clear or Color lenses available
- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Conformal coated electronics for moisture and vibration resistance
- Full reverse polarity protection
- Internal flasher
- E Block™ technology prevents air and moisture from entering lighthead
- E Block technology in DUO™ only

- Single or Dual Models available
- Default Patterns:
  - High Intensity – SignalAlert™ 75
  - Low Intensity – DVI™ 75
- Mounts to surface via two screws for easy installation
- A variety of mounting brackets and optional Chrome or Black flanges are available
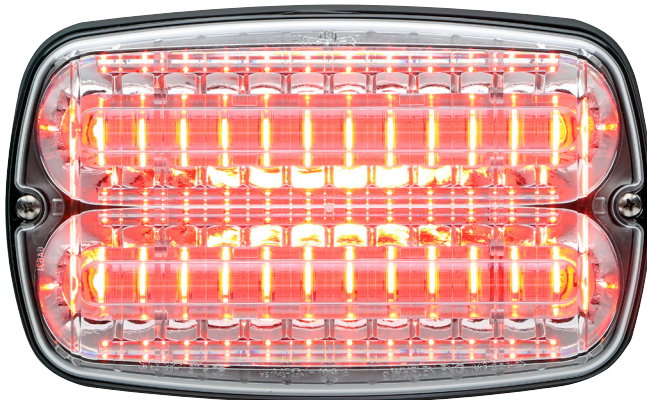- Lifetime Warranty

M9

M7

M6

M4

M2

For additional details please visit www.whelen.com

M9RC

M9

LIFETIME WARRANTY

CERTIFICATIONS
- SAE Class 1 (warning)*
- KKK-A-1822F* Contributor
- NFPA 1900*

When apparatus is appropriately configured as listed in the applicable standard

FLASH PATTERNS
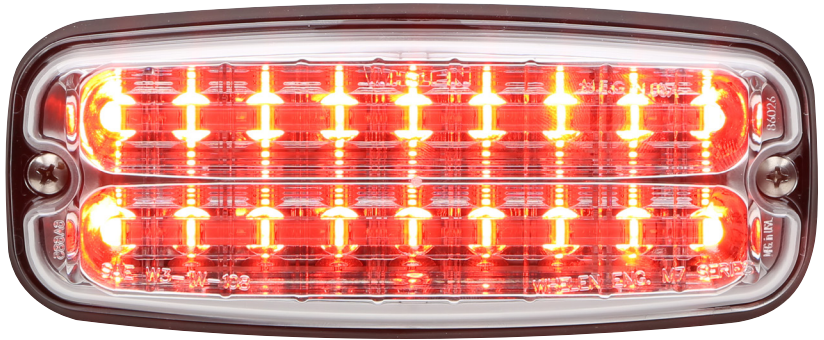- 189 Scan-Lock™ flash patterns

DIMENSIONS
- M9 Standard: 6.51" (108mm) H x 10.34" (263mm) W x 1.4" (36mm) D

MODEL	TECHNOLOGY	LED COLOR	LENS COLOR	AMP DRAW
M9*	SOLO™	Amber, Blue, Red, White	Color	Simultaneous: 3.0 Peak, 1.2 Average
M9*C	SOLO	Amber, Blue, Red	Clear	Alternating: 1.5 Peak, 0.6 Average
M9D#	DUO™	Amber/Blue, Red/Blue, Amber/White, Red/White, Blue/White	Clear	3.0 Peak, 1.2 Average

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M7

LIFETIME WARRANTY

M7RC

M7A

CERTIFICATIONS

- SAE Class 1 (warning)*
- KKK-A-1822F* Contributor
- NFPA 1900*

When apparatus is appropriately configured as listed in the applicable standard
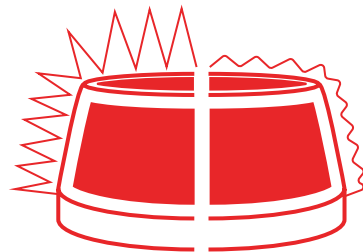
FLASH PATTERNS

- 189 Scan-Lock™ flash patterns

DIMENSIONS

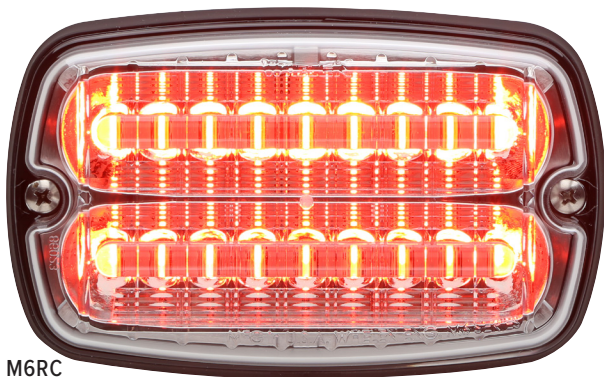- M7 Standard: 3.4" (86mm) H x 7.6" (194mm) W x 1.4" (36mm) D

MODEL	TECHNOLOGY	LED COLOR	LENS COLOR	AMP DRAW
M7*	SOLO™	Amber, Blue, Red, White	Color	Simultaneous: 2.2 Peak, 0.9 Average
M7*C	SOLO	Amber, Blue, Red	Clear	Alternating: 1.1 Peak, 0.45 Average
M7D#	DUO™	Amber/Blue, Red/Blue, Amber/White, Red/White, Blue/White	Clear	2.40 Peak, 1.0 Average

BEFORE   AFTER

DVI™ flash patterns reduce harsh flash edges, making it easier for drivers to see where emergency vehicles are parked at nighttime emergency scenes.

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⚠️ WARNING: These products may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit whelen.com/regulatory.

M6

M6RC

M6AC

LIFETIME WARRANTY

CERTIFICATIONS

- SAE Class 1 (warning)*
- KKK-A-1822F* Contributor
- NFPA 1900*

When apparatus is appropriately configured as listed in the applicable standard
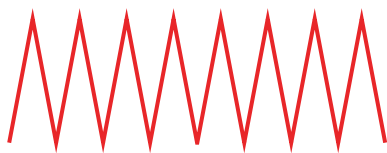
FLASH PATTERNS

- 189 Scan-Lock™ flash patterns

DIMENSIONS

- M6 Standard: 4.3" (109mm) H x 6.7" (170mm) W x 1.4" (36mm) D

MODEL	TECHNOLOGY	LED COLOR	LENS COLOR	AMP DRAW
M6*	SOLO™	Amber, Blue, Red, White	Color	Simultaneous: 2.2 Peak, 0.9 Average
M6*C	SOLO	Amber, Blue, Red	Clear	Alternating: 1.1 Peak, 0.45 Average
M6D#	DUO™	Amber/Blue, Red/Blue, Amber/White, Red/White, Blue/White	Clear	2.40 Peak, 1.0 Average

BEFORE

AFTER

DVI™ patterns remove glare by gradually increasing and decreasing warning light intensity, better conveying visual information to approaching motorists.

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M4

LIFETIME WARRANTY

M4RC

CERTIFICATIONS
- SAE Class 1 (warning)*
- KKK-A-1822F* Contributor
- NFPA 1900*

When apparatus is appropriately configured as listed in the applicable standard

FLASH PATTERNS
- 150 Scan-Lock™ flash patterns

DIMENSIONS
- M4 Standard: 3.4″ (86mm) H x 5.5″ (140mm) W x 1.4″ (36mm) D

MODEL	TECHNOLOGY	LED COLOR	LENS COLOR	AMP DRAW
M4*	SOLO™	Amber, Blue, Red, White	Color	Simultaneous & Low Intensity: 1.5 Peak, 0.6 Average
M4*C	SOLO	Amber, Blue, Red	Clear	Alternating: 0.75 Peak, 0.3 Average
M4D#	DUO™	Amber/Blue, Red/Blue, Amber/White, Red/White, Blue/White	Clear	1.50 Peak, 0.6 Average

M2

LIFETIME WARRANTY

ML2DD

CERTIFICATIONS
- NFPA 1900

FLASH PATTERNS
- 74 Scan-Lock™ flash patterns

DIMENSIONS
- M2 Standard: 2.07″ (53mm) H x 3.65″ (93mm) W x 0.92″ (24mm) D

MODEL	TECHNOLOGY	LED COLOR	LENS COLOR	AMP DRAW
ML2*	SOLO	Amber, Blue, Red, White	Color	
ML2*C	SOLO	Amber, Blue, Red	Clear	1.0 Peak, 0.45 Average
ML2D#	DUO	Amber/Blue, Red/Blue, Amber/White, Red/White, Blue/White		

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L31HRFN

L31 SERIES

LIFETIME WARRANTY

- Powder-coated die-cast aluminum base
- Adjustable high-intensity patterns and low-intensity patterns
- Default Patterns:
  - High Intensity – SignalAlert™ 75
  - Low Intensity – DVI™ 75
- Conformal coated electronics for moisture and vibration resistance

- Full reverse polarity protection
- Hard-coated domes resist environmental damage from sand, sun, salt, and road chemicals
- Available in permanent, magnetic, or magnetic/suction mount models
- Lifetime Warranty

PERMANENT MOUNT MODELS

- 69 Scan-Lock™ flash patterns including 4 simulated rotating patterns
- Alternately or simultaneously flash multiple patterns with up to eight Whelen Super-LED® beacons

CERTIFICATIONS

- Meets NFPA Zone C Upper requirements when properly configured (L31HRFN Red)

For additional details please visit www.whelen.com

SPECS

- 12 VDC
- Amps: 4 Amp (Peak), 1.6 Amp (Average)
- Dimensions: 4" (102mm) H x 7-3/16" (182mm) Dia.

MODEL	LED COLOR
L31H*F	Amber, Blue, Red, or White, Permanent Mount, High Dome
L31HRFN	Red, Permanent Mount, High Dome (NFPA)

DVI™ ENABLED | WHELEN® MANUFACTURED IN AMERICA

MICRO FREEDOM®

- Heavy-duty aluminum frame designed for tailboard mounting
- 240° light output provides Zone B, C, and D light coverage
- Built-in flasher
- Default Patterns:
  - High Intensity – SignalAlert™ 75
  - Low Intensity – DVI™ 75
- 9 Scan-Lock™ flash patterns

- Hard-coated lenses resist environmental damage from sand, sun, salt, and road chemicals
- Includes a 20' cable
- Lifetime Warranty

SPECS
- 12 VDC
- Amps: 3.2 Amps
- Dimensions: 4.67" (118mm) H x 8.20" (208mm) W x 8.1" (205mm) D

CERTIFICATIONS
- SAE Class 1 (warning)*
- KKK-A-1822F* Contributor
- NFPA 1900*

When apparatus is appropriately configured as listed in the applicable standard

MODEL	LED COLOR
MCFLED2*	Blue, Red and/or Amber

AUTO DIMMING PHOTOCELL

- Ambient light sensor that detects if it is day or night
- 50 lux switch level
- Automate DVI™ by connecting the Auto Dimming Photocell to the low-intensity wire on DVI ENABLED products
- Connects to 25 low-intensity products

MODEL	DESCRIPTION
LCPHOTO	Logic Level Photocell

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⚠ WARNING: These products may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit whelen.com/regulatory.

DVI™ ENABLED
Products come with a Lifetime Warranty!

For more information, please contact your Whelen sales representative.