

DYNAMIC VARIABLE INTENSITY™



MANUFACTURED IN AMERICA

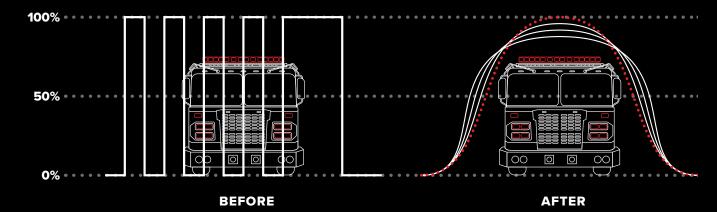
THE FUTURE OF ENHANCED NIGHTIME SAFETY IS HERE

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.

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









Whelen first introduced the concept of nighttime dimming at the 2019 FDIC conference.

As LED technology continuously advanced, a high intensity multi-flash light output proved essential to draw the maximum amount of attention to emergency warning vehicles in daylight response mode.

At nighttime scenes however, the rapid on-and-off of LED warning lights did not offer the same benefits that users needed. It became clear that adjustments were needed for day and night versions — not just in intensity, but also in pattern. Slowing the flashes down at night allows the motoring public to better absorb their surroundings, process the environment and feel more at ease as they navigate the roadway.

At Whelen, our values and passion make us who we are. Many of our engineers have firsthand experience in the fire industry. They drive us to create products and innovations the way no one else can. Their expertise helped us engineer this solution for nighttime emergency scenes.







DVI ENABLED PRODUCTS



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 lowintensity wire harness.
- DVI can be automated by connecting a Whelen LCPHOTO to the low-intensity wire.
- When properly configured, DVI ENABLED products meet NFPA 1901 and 1906 standards.





WECANX® 2250





Our newest lightbar, the WeCanX 2250 Warning Light Array and Traffic Advisor 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®

SPECS

10-30 VDC

For additional details please visit www.whelen.com.

- 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

CERTIFICATIONS

SAE Class 1

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







FREEDOM® IV WECANX®





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 minimize 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

For additional details please visit www.whelen.com.

CERTIFICATIONS

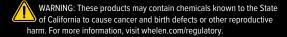
- SAE Class 1
- NFPA 1901/1906*

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

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







MINIFREEDOM® IV WECANX®





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 minimize 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)

CERTIFICATIONS

- SAE Class 1
- NFPA 1901/1906*
- * When apparatus is appropriately configured as listed in the applicable standard

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



M SERIESTM

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.

- Choose from Clear or Color lenses
- Hard-coated lenses minimize environmental damage from sand, sun, salt, and road chemicals
- Conformal coated electronics for moisture and vibration resistance
- Full reverse polarity protection
- Internal flasher
- Available in single or dual models

- · 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











МО

For additional details please visit www.whelen.com.





M9RC

DIMENSIONS

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





CERTIFICATIONS

- SAE Class 1 (warning)
- KKK-1822F *
- NFPA 1901/1906 *
- NFPA 1917 *
- * When apparatus is appropriately configured as listed in the applicable standard

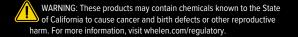
FLASH PATTERNS

• 189 Scan-Lock[™] flash patterns

MODEL	TYPE	COLOR	LENS	AMP DRAW
M9* (SOLO)		Amber, Blue, Red, White	Color	Simultaneous: 3.0 peak, 1.2 average
M9*C (SOLO)	Warning	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













M7RC



M7A

CERTIFICATIONS

- SAE Class 1 (warning)
- KKK-1822F*
- NFPA 1901/1906*
- NFPA 1917*
- * When apparatus is appropriately configured as listed in the applicable standard

FLASH PATTERNS

• 189 Scan-Lock[™] flash patterns

DIMENSIONS

 Size: 3.4" (86mm) H x 7.6" (194mm) W x 1.4" (36mm) D

MODEL	TYPE	COLOR	LENS	AMP DRAW
M7* (SOLO)		Amber, Blue, Red, White	Color	Simultaneous: 2.2 peak, 0.9 average
M7*C (SOLO)	Warning	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

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







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.









M6AC

CERTIFICATIONS

- SAE Class 1 (warning)
- KKK-1822F*
- NFPA 1901/1906*
- NFPA 1917*
- * When apparatus is appropriately configured as listed in the applicable standard

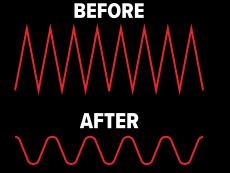
FLASH PATTERNS

189 Scan-Lock[™] flash patterns

DIMENSIONS

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

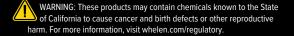
MODEL	TYPE	COLOR	LENS	AMP DRAW
M6* (SOLO)		Amber, Blue, Red, White	Color	Simultaneous: 2.2 peak, 0.9 average
M6*C (SOLO)	Warning	Amber, Blue, Red	Clear	Alternating: 1.1 peak, 0.45 average
M6D# (DUO)		Amber/Blue, Red/Blue, Amber/White, Red/White, Blue/White	Clear	2.40 peak, 1.0 average



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











M4RC

CERTIFICATIONS

- SAE Class 1 (warning)
- KKK-1822F*
- NFPA 1901/1906*
- NFPA 1917*
- * 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	TYPE	COLOR	LENS	AMP DRAW
M4* (SOLO)		Amber, Blue, Red, White	Color	Simultaneous & Low Intensity: 1.5 peak, 0.6 average
M4*C (SOLO)	Warning	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





ML2RC

FLASH PATTERNS

74 Scan-Lock[™] flash patterns

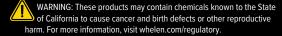
DIMENSIONS

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

MODEL	TYPE	COLOR	LENS
ML2* (SOLO)	Warning	Amber, Blue, Red, White	Color
ML2*C (SOLO)		Amber, Blue, Red	
ML2D# (DUO)		Amber/Blue, Red/Blue, Amber/White, Red/White, Blue/White	Clear













• Full reverse polarity protection

mount models

· Lifetime Warranty

SPECS

sand, sun, salt, and road chemicals

- L31HRFN
- · 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

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

• 12 VDC iple patterns with • Amps: 4

- Amps: 4 Amp (peak), 1.6 Amp (average)
- Dimensions: 4" (102mm) H x 7-3/16" (182mm) Dia.

Hard-coated domes resist environmental damage from

• Available in permanent, magnetic, or magnetic/suction

• Meets NFPA Zone C Upper requirements (L31HRFN Red)

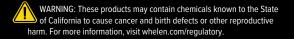
MODEL	COLOR
L31H*F	Amber, Blue, Red, or White, Permanent Mount, High Dome
L31HRFN	Red. Permanent Mount, High Dome (NFPA)

For additional details please visit <u>www.whelen.com</u>.









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-1822F*
- NFPA 1901/1906*
- NFPA 1917*
- * When apparatus is appropriately configured as listed in the applicable standard

MODEL	COLOR
MCFLED2*	Blue, Red and/or Amber

AUTO DIMMING PHOTOCELL

- Ambient light sensor that detects if it is day or night
- 50 lux switch leve
- 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





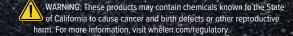
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DVI™ ENABLED
Products come with a
Lifetime Warranty!









DYNAMIC VARIABLE INTENSITY™



