

Whelen Engineering Unveils All-New Freedom® V Lightbar with Breakthrough FocusBeam™ Technology

New precision optic system redefines emergency warning visibility with industry-first light control.

CHESTER, CT, UNITED STATES, April 23, 2026 /EINPresswire.com/ -- [Whelen Engineering](#), the industry leader in emergency warning and lighting technology, today announced the launch of the all-new Freedom® V lightbar, featuring FocusBeam™ Technology, at FDIC International 2026 (Booth 3219).

Purpose-built for today's increasingly complex roadway environments, [Freedom V](#) introduces a new approach to emergency warning, shifting from raw light output to precision optical control.



The all-new Freedom V lightbar features revolutionary new optic technology that provides full 360-degree visibility and unmatched control.

“

Freedom V represents the next step in our mission - delivering visibility that performs in the real world, not just on paper.”

Geoff Marsh, CEO of Whelen Engineering

FocusBeam Technology, developed by Whelen, represents a breakthrough in optic design. By converting raw LED output into highly focused, precisely angled beams, the system delivers improved visibility across distance, intersections, and multiple approach angles, helping drivers recognize and respond to emergency vehicles faster.

“Simply increasing brightness is no longer enough,” said James Whelen, Senior Vice President of Technology and

Innovation at Whelen. “FocusBeam Technology is designed to control light with purpose, ensuring it reaches the right place, at the right time, from every critical angle.”

Built on the trusted Freedom platform, Freedom V maintains the reliability departments depend on while delivering next-generation performance through advanced optical engineering. The result is a seamless 360-degree ring of high-intensity, usable light with consistent output across all active colors.

“At an intersection, you don’t get a second chance,” said Jon Sestrom, Product Manager at Whelen.

“FocusBeam Technology helps ensure drivers don’t just see light - they recognize it sooner and have more time to react.”



FocusBeam Technology transforms raw LED output into precisely angled beams that cut through visual clutter and project usable light farther down the road and across critical sight lines.

Freedom V also features a fully configurable lighthouse architecture, allowing departments to tailor coverage and performance to their specific operational needs. Integrated with Whelen’s WeCanX® platform, the system provides advanced programmability and seamless compatibility with Core®-based systems.

“As long as responders are still being injured or killed on roadways, there’s more work to do,” said Geoff Marsh, Chief Executive Officer of Whelen. “Freedom V represents the next step in our mission - delivering visibility that performs in the real world, not just on paper.”

Experience Freedom® V at FDIC 2026

Attendees can see the all-new Freedom V lightbar featuring FocusBeam Technology at Booth 3219 during FDIC 2026, which runs through Saturday, April 25. Learn more at whelen.com/freedomv.

About Whelen Engineering

Since 1952, Whelen Engineering has been a proud ally and supporter of our nation’s first responders. Driven by a mission to protect those who protect others, Whelen provides the high-quality, reliable products and technology needed to aid them in their critical missions. From warning lights to white illumination, sirens, controllers, and software, every product that bears the Whelen name has been thoughtfully designed, manufactured, and tested right here in America to perform at the highest level in any condition. Whelen is honored to have earned the trust of first responders around the world as leaders of the emergency warning industry and carries that responsibility earnestly, always striving to ensure that the everyday heroes serving under the illumination and protection of Whelen products are equipped to do their jobs with enhanced efficiency, reliability, and safety.

Marketing Department
Whelen Engineering
+1 8605269504

[email us here](#)

Visit us on social media:

[LinkedIn](#)

[Instagram](#)

[Facebook](#)

[YouTube](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/907521816>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2026 Newsmatics Inc. All Right Reserved.