

# NEWS RELEASE

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## **OPTO DIODE CORPORATION**

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*For Immediate Release*

## **Opto Diode Provides High-Power LEDs for Military/Aerospace/Defense Apps**

**CAMARILLO, Calif. – June 20, 2022 - Opto Diode Corporation**, an ITW company, offers a variety of high-power, infrared light-emitting diodes (IRLEDs) and ultra-high-power near-infrared LED illuminators designed for military, aerospace, and defense. The devices are widely used in surveillance, night vision, and various military imaging applications.

Opto Diode products include the [OD-663-850 NIR LED Illuminator](#) with total power output from 300mW to 425 mW (typical), making it ideal for high-power, near-infrared illumination tasks. The narrow-angle of emission [OD-110L](#) and the wide-angle of emission [OD-110W](#) are ultra-high-power GaAIAs NIR emitters that feature very uniform optical beams and peak emission wavelengths of 850 nm. These reliable devices are designed to operate under harsh, extreme temperatures and rugged conditions.



Other infrared LED products, such as the narrow-angle [OD-110LISOLHT](#) and the wide-angle [OD-110WISOLHT](#) operate at 880 nm with a spectral bandwidth of 55 nm (typical). These high-power infrared emitters feature wide temperature ratings and convenient two-lead TO-39 cans with isolated cases for many critical, high-temperature lighting tasks.

The company recently introduced the highest output power available [OD-669 GaAIAs IRLED illuminator](#) with an extremely wide angle of emission. Available in a convenient TO-66 package for heatsink attach, the OD-669 is designed with nine chips connected in

series. The robust device has an electrically isolated case which makes it extremely useful for covert aircraft lighting and covert anti-collision lighting in aviation applications.

To learn more about Opto Diode's full line of high-performance, reliable, and highly durable photodiodes, sensors, optoelectronic modules, visible and infrared LEDs, and photonics assemblies for critical applications, visit: [www.optodiode.com](http://www.optodiode.com).

**Opto Diode Corporation** (Camarillo, CA - [www.optodiode.com](http://www.optodiode.com)), an ITW Company, delivers industry-leading sensors, photodiodes, IR detectors, photonic modules, assemblies, and LEDs.

In a recent poll, our customers cited why they chose Opto Diode over our competitors. The most important reasons were product quality and dependability, followed by flexibility and our willingness to help, even when it is the customer's internal issue. Reliable product lifetime is also very important to our customers.

We pride ourselves in being a team player, offering real-world solutions to our customers. With long-lifetime product reliability, superior quality and fast delivery, Opto Diode delivers advanced performance sensors from the extreme ultraviolet (UV) to the mid-infrared (mid-IR). Our products provide unparalleled high-energy particle, electron, X-ray, and UV detection along with superior sensitivity to discriminate trace gases or detect heat, sparks, or flames in the mid-IR spectrum. Other products include high performance LEDs with radiometric emissions from 365 to 940 nm and IR emitters covering 1 to 10 microns.

In addition, Opto Diode can customize the entire product quality system to test, qualify, and document parts and write procedures to the customers' own internal guidelines and specifications. This includes a paper trail, every step of the way, when needed.

Opto Diode serves a variety of industries including aerospace, automotive, biotechnology, food processing, medical, military/defense, semiconductor equipment manufacturing, and test & measurement. Our manufacturing process is in a cleanroom environment, from start to finish. Opto Diode's domestic U.S. facility is optimized for design and manufacturing with an on-site wafer fabrication, class 1,000 to class 10,000 clean rooms, extensive assembly capabilities and packaging expertise. From prototyping to high-volume production, we manufacture wafers-to-components then package and assemble photonic modules-to-optoelectronic sub-systems. For more information, visit [www.optodiode.com](http://www.optodiode.com).

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