

NEWSRELEASE

OPTO DIODE CORPORATION

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For Immediate Release

Opto Diode Introduces the Fourth in a Series of Narrow-Spectral-Output Ultraviolet LEDs

CAMARILLO, Calif. – April 29, 2019 - Opto Diode Corporation, an ITW company, introduces the fourth device in the UVC series of narrow-spectral-output ultraviolet light-emitting diodes (UVLEDs). The new **OD-280-003** features a narrow radiation pattern and a wavelength that is ideally suited for disinfection tasks in healthcare applications and water purification. Hermetically sealed in a TO-46 package, this narrow-spectral-output device is designed for easy integration into new or existing systems.

Ideal for rugged use and long-lifetime operation, the peak emission wavelength of the OD-280-003 ranges from 275 nm (minimum) to 280 nm (typical) to 285 nm (maximum) under test conditions at 25 °C. Total power output is 0.68 mW (minimum) and 0.75 mW (typical). The UVLED's spectral bandwidth at 50% is 12 nm (typical); the half-intensity beam angle measures 9 degrees.



The UVC series of Opto Diode's UVLED family features operating temperature ranges from -30 °C to +80 °C and storage temperature ranges from -40 °C to 100 °C.

For more information about the OD-280-003 ultraviolet LED and/or to download a spectral output chart, radiation patterns, packaging information, power output vs. temperature graph, and power output degradation graphs, please go to:

<https://optodiode.com/pdf/OD-280-003DS.pdf>.

Opto Diode Corporation (Camarillo, CA - www.optodiode.com), an ITW Company, delivers industry-leading sensors, photodiodes, IR detectors, photonic modules, assemblies, and LEDs. Available in standard and custom designs, Opto Diode products have earned a reputation for high performance, superior quality and reliability for over 30 years. Opto Diode offers 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.

Opto Diode serves a variety of industries including aerospace, automotive, biotechnology, food processing, medical, military/defense, industrial, 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.

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