LumiDox II LED Array

Tool Type:	96-well LED Array
Location:	Elings Hall 2411
Manufacturer:	Analytical Sales
Description:	Chemspeed and Zeiss Microscope Compatible

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About

The LumiDox Gen II LED Plate is an innovative tool designed for precise light delivery to 96-well plates. This system utilizes high-intensity LEDs arranged to provide uniform, controlled light exposure across all wells, making it ideal for light-activated experiments. The plate allows for customizable light intensities and wavelengths, supporting a variety of experimental conditions. The LumiDox Gen II's user-friendly interface and robust design enable consistent and repeatable illumination, advancing research in areas such as photochemistry, photobiology, and cell signaling.

Detailed Specifications

* **LED technology:** High-intensity LEDs
* **Compatible formats:** 96-well plates and 96-well shell vial plates (1 mL scale)
* **Wavelengths available:** 365, 420, 445, and 530 nm

* **Power control:** Adjustable power settings
* **Uniformity:** High across all wells

Safety Concerns

The LumiDox Gen II LED Plate produces high-intensity light, which requires the following safety precautions:
• Always inspect the LEDs before use to ensure no damage or malfunction.
• Do not stare directly at the light sources during operation.
• Use protective eyewear rated for specific wavelengths, especially when working with high-intensity light in the UV range.
• Ensure that all users are familiar with proper operation procedures and safety protocols outlined by the manufacturer.