

LumiDox II LED Array



Tool Type:	96-well LED Array	
Location:	Elings Hall 2411	
Manufacturer:	Analytical Sales	
Description:	Chemspeed and Zeiss Microscope Compatible	
Principal Scientists	E-mail	
Juan Manuel Urueña	jmurueña@ucsb.edu	
Morgan Bates	morganbates@ucsb.edu	

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.

From:

<https://bpm-wiki.cnsi.ucsb.edu/> - NSF BioPACIFIC MIP Wiki

Permanent link:

https://bpm-wiki.cnsi.ucsb.edu/doku.php?id=led_plate&rev=1728666702

Last update: **2024/10/11 17:11**

