

# LumiDox Gen II LED Plate



**Tool Type:** "96 LED plate"

Supervisor	Tool Lead
Juan Manuel Uruña	"WW Name"
jmuruena@ucsb.edu	"WW Email"

**Description:** "Inverted Microscope"

**Manufacturer:** "Zeiss"

## About

The LumiDox Gen II LED Plate is an innovative tool designed for precise light delivery to 96-well cell culture plates. This system utilizes high-intensity LEDs arranged to provide uniform, controlled light exposure across all wells, making it ideal for light-activated cellular 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 optogenetics, photobiology, and cell signaling.

## Detailed Specifications

- \* **LED technology:** High-intensity LEDs
- \* **Compatible formats:** 96-well plates
- \* **Wavelength range:** 380-780 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.

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