

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
Temperature control: Integrated cooling system

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/dokuwiki/> - NSF BioPACIFIC MIP Wiki

Permanent link:

https://bpm-wiki.cnsi.ucsb.edu/dokuwiki/doku.php?id=led_plate&rev=1728530309

Last update: **2024/10/10 03:18**

