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## **LumiDox Gen II LED Plate**



Tool Type: "96 LED plate"

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**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

\* Wavelengths available: 365 nm, 420 nm, 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.

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Last update: 2024/10/10 03:28

