LumiDox Gen II LED Plate

Tool Type: “96 LED plate”	
Supervisor	**Tool Lead**
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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
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.