

# Lumidox® II 96-Well LED Arrays

## Lumidox® II



### Lumidox Gen2 96-Well LED Arrays

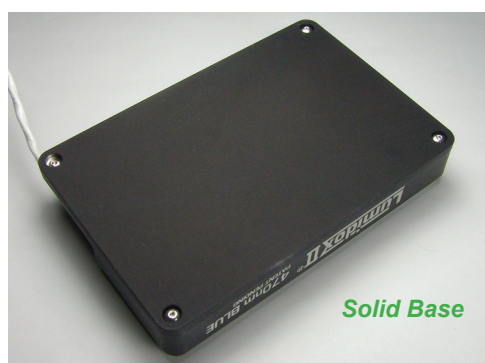
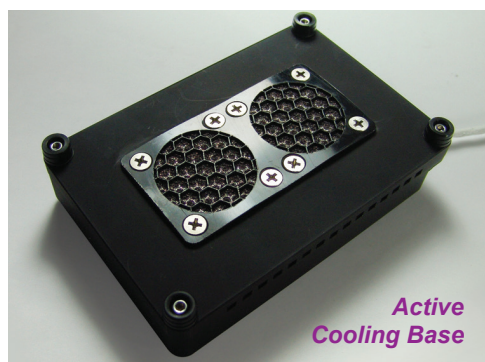
Incorporating a uniquely molded ultra-clear chemically inert **Lens Mat**, Analytical Sales' patent-pending design captures nearly all of the light emitted by the LEDs and directs it into the reaction vials. This new design has a potential 40x improvement from previous generations.

An alternative, chemically inert, **Diffuse Mat** is available for standard SLAS footprints, as well as niche applications such as illuminating cell culture flasks, reservoir plates, and large scale containers. Two different lens styles (Lens Mat, Diffuse Mat), and two bases (Solid, Active Cooling) allow for 48+ possible configurations.

We offer apparatus in the following wavelengths:

365 (U365)	405 (U405)	505 (Cyan)	630 (Red)
375 (U375)	420 (Violet)	527 (Green)	660 (Deep Red)
385 (U385)	445 (Indigo)	590 (Amber)	730-IR (Infrared)
395 (U395)	470 (Blue)		White

Contact us for custom wavelengths



### 96-Well LED Arrays with Lens Mat and Active Cooling Base

Catalog No.	Description	Wavelength
LUM296LA365	Lumidox Gen2 LED Array, with Lens Mat and Active Cooling Base	UV365
LUM296LA375	Lumidox Gen2 LED Array, with Lens Mat and Active Cooling Base	UV375
LUM296LA385	Lumidox Gen2 LED Array, with Lens Mat and Active Cooling Base	UV385
LUM296LA395	Lumidox Gen2 LED Array, with Lens Mat and Active Cooling Base	UV395
LUM296LA405	Lumidox Gen2 LED Array, with Lens Mat and Active Cooling Base	UV405
LUM296LA420	Lumidox Gen2 LED Array, with Lens Mat and Active Cooling Base	420-VIOLET
LUM296LA445	Lumidox Gen2 LED Array, with Lens Mat and Active Cooling Base	445-INDIGO
LUM296LA470	Lumidox Gen2 LED Array, with Lens Mat and Active Cooling Base	470-BLUE
LUM296LA505	Lumidox Gen2 LED Array, with Lens Mat and Active Cooling Base	505-CYAN
LUM296LA527	Lumidox Gen2 LED Array, with Lens Mat and Active Cooling Base	527-GREEN
LUM296LA590	Lumidox Gen2 LED Array, with Lens Mat and Active Cooling Base	590-AMBER
LUM296LA630	Lumidox Gen2 LED Array, with Lens Mat and Active Cooling Base	630-RED
LUM296LA660	Lumidox Gen2 LED Array, with Lens Mat and Active Cooling Base	660-DEEP RED
LUM296LA730	Lumidox Gen2 LED Array, with Lens Mat and Active Cooling Base	730-IR
LUM296LAWHT	Lumidox Gen2 LED Array, with Lens Mat and Active Cooling Base	WHITE

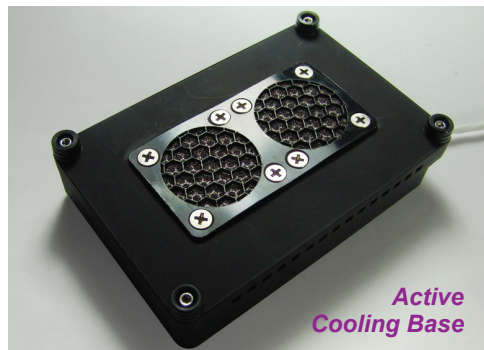
### 96-Well LED Arrays with Lens Mat and Solid Base

Catalog No.	Description	Wavelength
LUM296LS365	Lumidox Gen2 LED Array, with Lens Mat and Solid Base	UV365
LUM296LS375	Lumidox Gen2 LED Array, with Lens Mat and Solid Base	UV375
LUM296LS385	Lumidox Gen2 LED Array, with Lens Mat and Solid Base	UV385
LUM296LS395	Lumidox Gen2 LED Array, with Lens Mat and Solid Base	UV395
LUM296LS405	Lumidox Gen2 LED Array, with Lens Mat and Solid Base	UV405
LUM296LS420	Lumidox Gen2 LED Array, with Lens Mat and Solid Base	420-VIOLET
LUM296LS445	Lumidox Gen2 LED Array, with Lens Mat and Solid Base	445-INDIGO
LUM296LS470	Lumidox Gen2 LED Array, with Lens Mat and Solid Base	470-BLUE
LUM296LS505	Lumidox Gen2 LED Array, with Lens Mat and Solid Base	505-CYAN
LUM296LS527	Lumidox Gen2 LED Array, with Lens Mat and Solid Base	527-GREEN
LUM296LS590	Lumidox Gen2 LED Array, with Lens Mat and Solid Base	590-AMBER
LUM296LS630	Lumidox Gen2 LED Array, with Lens Mat and Solid Base	630-RED
LUM296LS660	Lumidox Gen2 LED Array, with Lens Mat and Solid Base	660-DEEP RED
LUM296LS730	Lumidox Gen2 LED Array, with Lens Mat and Solid Base	730-IR
LUM296LSWHT	Lumidox Gen2 LED Array, with Lens Mat and Solid Base	WHITE

See Diffuse Mat Arrays on back



**96-Well  
Array with Diffuse Mat**



**Active  
Cooling Base**



**Solid Base**

## 96-Well LED Arrays with Diffuse Mat and Active Cooling Base

Catalog No.	Description	Wavelength
LUM296DA365	Lumidox Gen2 LED Array, with Diffuse Mat and Active Cooling Base	UV365
LUM296DA375	Lumidox Gen2 LED Array, with Diffuse Mat and Active Cooling Base	UV375
LUM296DA385	Lumidox Gen2 LED Array, with Diffuse Mat and Active Cooling Base	UV385
LUM296DA395	Lumidox Gen2 LED Array, with Diffuse Mat and Active Cooling Base	UV395
LUM296DA405	Lumidox Gen2 LED Array, with Diffuse Mat and Active Cooling Base	UV405
LUM296DA420	Lumidox Gen2 LED Array, with Diffuse Mat and Active Cooling Base	420-VIOLET
LUM296DA445	Lumidox Gen2 LED Array, with Diffuse Mat and Active Cooling Base	445-INDIGO
LUM296DA470	Lumidox Gen2 LED Array, with Diffuse Mat and Active Cooling Base	470-BLUE
LUM296DA505	Lumidox Gen2 LED Array, with Diffuse Mat and Active Cooling Base	505-CYAN
LUM296DA527	Lumidox Gen2 LED Array, with Diffuse Mat and Active Cooling Base	527-GREEN
LUM296DA590	Lumidox Gen2 LED Array, with Diffuse Mat and Active Cooling Base	590-AMBER
LUM296DA630	Lumidox Gen2 LED Array, with Diffuse Mat and Active Cooling Base	630-RED
LUM296DA660	Lumidox Gen2 LED Array, with Diffuse Mat and Active Cooling Base	660-DEEP RED
LUM296DA730	Lumidox Gen2 LED Array, with Diffuse Mat and Active Cooling Base	730-IR
LUM296DAWHT	Lumidox Gen2 LED Array, with Diffuse Mat and Active Cooling Base	WHITE

## 96-Well LED Arrays with Diffuse Mat and Solid Base

Catalog No.	Description	Wavelength
LUM296DS365	Lumidox Gen2 LED Array, with Diffuse Mat and Solid Base	UV365
LUM296DS375	Lumidox Gen2 LED Array, with Diffuse Mat and Solid Base	UV375
LUM296DS385	Lumidox Gen2 LED Array, with Diffuse Mat and Solid Base	UV385
LUM296DS395	Lumidox Gen2 LED Array, with Diffuse Mat and Solid Base	UV395
LUM296DS405	Lumidox Gen2 LED Array, with Diffuse Mat and Solid Base	UV405
LUM296DS420	Lumidox Gen2 LED Array, with Diffuse Mat and Solid Base	420-VIOLET
LUM296DS445	Lumidox Gen2 LED Array, with Diffuse Mat and Solid Base	445-INDIGO
LUM296DS470	Lumidox Gen2 LED Array, with Diffuse Mat and Solid Base	470-BLUE
LUM296DS505	Lumidox Gen2 LED Array, with Diffuse Mat and Solid Base	505-CYAN
LUM296DS527	Lumidox Gen2 LED Array, with Diffuse Mat and Solid Base	527-GREEN
LUM296DS590	Lumidox Gen2 LED Array, with Diffuse Mat and Solid Base	590-AMBER
LUM296DS630	Lumidox Gen2 LED Array, with Diffuse Mat and Solid Base	630-RED
LUM296DS660	Lumidox Gen2 LED Array, with Diffuse Mat and Solid Base	660-DEEP RED
LUM296DS730	Lumidox Gen2 LED Array, with Diffuse Mat and Solid Base	730-IR
LUM296DSWHT	Lumidox Gen2 LED Array, with Diffuse Mat and Solid Base	WHITE



## Lumidox II Controller

Lumidox II Controllers are manufactured in-house. Optical power levels are provided in easy to read, easy to calculate, whole numbers. Simply scroll through the menu to select your desired output. An onboard illumination elapsed timer is provided, as well as a countdown to automatic shut off timer.

Arrays and illuminators are custom tuned in-house and provide 5 individually calibrated and configured levels of optical power. Arrays and illuminators are not unique to controllers, their calibration data is stored onboard, allowing users to use different arrays with one controller.

## Lumidox Gen2 LED Controller

Catalog No.	Description
LUM2CON	Lumidox Gen2 LED Controller. Includes: Controller, Power Supply, Power Cable, Manual



## Adapters for Gen 1 Arrays

The Lumidox Generation II Controller is backwards compatible with Gen I arrays via the use of an adapter.

Catalog No.	Description
LUM2ADAPT	Adapter for Gen2 Controller (LUM2CON) to Gen1, 96 Well NON-UV LED Arrays
LUM2ADAPT-UV	Adapter for Gen2 Controller (LUM2CON) to Gen1, 96 Well UV LED Arrays
LUM2ADAPT24	Adapter for Gen2 Controller (LUM2CON) to Gen1, 24 Well LED Arrays



Lumidox Systems come with one pair of UV protective goggles. Additional goggles can be purchased.

## UV Safety Goggles

Catalog No.	Description
UVGoggles	Additional UV Safety Goggles