Lumidox® II+
1-Channel and 4-Channel Controllers

2026

LUM2CONP4

LUM2CONP1

Lumidox II+ Controllers

Cat No.	Description
LUM2CONP4	Lumidox II+ 4-Channel Controller. Includes: Controller, Power Supply, Power Cable, Manual
LUM2CONP1	Lumidox II+ 1-Cannel Controller. Includes: Controller, Power Supply, Power Cable, Manual

UV Safety Goggles

Catalog No.	Description
UVGoggles	UV Safety Goggles

Includes one pair of UV goggles. Additional goggles can be purchased.

NEW! Lumidox®II+
1-Channel and 4-Channel Controllers

PLUS+
FIXED WAVEFORM | MODULAR WAVEFORM

New Output Options

Select from traditional "fixed waveform" (constant) or "modular waveform" irradiation

Features of "Modular waveform"

- Waveform types:
  - Square wave: on/off cycles (Pulsed light)
  - Sine wave: cyclically brightens and dims ("fading" light)
- Adjustable: frequency and duration (number of cycles)

Practical Benefits

- Compatible with Lumidox II LED arrays
- Larger color display (new GUI)
  - Visual indication of LED array's wavelength (displayed on border of the channel)
- Front panel connection for LED array (easier to reach)
- LED arrays are now "hot-swappable" / plug-n-play
- Set desired light "dose" in Joules
  - Duration automatically set based on the selected Stage output (mW)
- Simplified API/SDK (serial commands)
- Delivers ~ 25% greater cooling efficiency to Active Cooling Base LED arrays

Additional Benefits of the *4-Channel* Controller

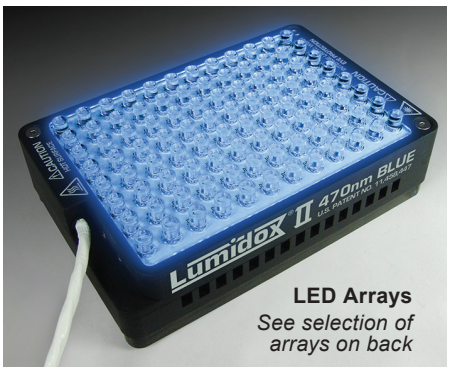
- Conserves bench space: Functionality of 4 controllers in 1
  - No restriction to LED arrays capabilities (max output/duration on all channels

Peripheral Devices

Lumidox II+ Controllers power LED Arrays and LumLamps

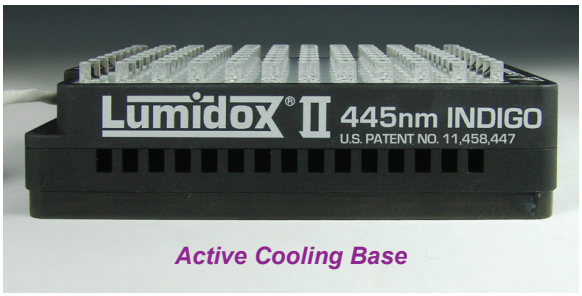
PRODUCT NOTE:

Arrays and LumLamps are tuned in-house. Calibration STAGE parameters are is stored in the LED array or LumLamp. Lumidox II system is modular.



LED Arrays
See selection of arrays on back

LumLamp



Active Cooling Base

Solid Base

96-Position LED Arrays with **Lens Mat**

Wavelength (nm)	Description	Active Cooling Base Catalog No.	Solid Base* Catalog No.
UV365	Lumidox II 96-Position LED Array with Lens Mat	LUM296LA365	LUM296LS365
UV375	Lumidox II 96-Position LED Array with Lens Mat	LUM296LA375	LUM296LS375
UV385	Lumidox II 96-Position LED Array with Lens Mat	LUM296LA385	LUM296LS385
UV395	Lumidox II 96-Position LED Array with Lens Mat	LUM296LA395	LUM296LS395
UV405	Lumidox II 96-Position LED Array with Lens Mat	LUM296LA405	LUM296LS405
420-VIOLET	Lumidox II 96-Position LED Array with Lens Mat	LUM296LA420	LUM296LS420
445-INDIGO	Lumidox II 96-Position LED Array with Lens Mat	LUM296LA445	LUM296LS445
470-BLUE	Lumidox II 96-Position LED Array with Lens Mat	LUM296LA470	LUM296LS470
505-CYAN	Lumidox II 96-Position LED Array with Lens Mat	LUM296LA505	LUM296LS505
527-GREEN	Lumidox II 96-Position LED Array with Lens Mat	LUM296LA527	LUM296LS527
590-AMBER	Lumidox II 96-Position LED Array with Lens Mat	LUM296LA590	LUM296LS590
630-RED	Lumidox II 96-Position LED Array with Lens Mat	LUM296LA630	LUM296LS630
660-DEEP RED	Lumidox II 96-Position LED Array with Lens Mat	LUM296LA660	LUM296LS660
730-IR	Lumidox II 96-Position LED Array with Lens Mat	LUM296LA730	LUM296LS730
810-IR	Lumidox II 96-Position LED Array with Lens Mat	LUM296LA810	LUM296LS810
WHITE	Lumidox II 96-Position LED Array with Lens Mat	LUM296LAWHT	LUM296LSWHT

** requires the use of a sufficient chiller/cooling device*

Active Cooling Base

Solid Base

96-Position LED Arrays with **Diffuse Mat**

Wavelength (nm)	Description	Active Cooling Base Catalog No.	Solid Base* Catalog No.
UV365	Lumidox II 96-Position LED Array with Diffuse Mat	LUM296DA365	LUM296DS365
UV375	Lumidox II 96-Position LED Array with Diffuse Mat	LUM296DA375	LUM296DS375
UV385	Lumidox II 96-Position LED Array with Diffuse Mat	LUM296DA385	LUM296DS385
UV395	Lumidox II 96-Position LED Array with Diffuse Mat	LUM296DA395	LUM296DS395
UV405	Lumidox II 96-Position LED Array with Diffuse Mat	LUM296DA405	LUM296DS405
420-VIOLET	Lumidox II 96-Position LED Array with Diffuse Mat	LUM296DA420	LUM296DS420
445-INDIGO	Lumidox II 96-Position LED Array with Diffuse Mat	LUM296DA445	LUM296DS445
470-BLUE	Lumidox II 96-Position LED Array with Diffuse Mat	LUM296DA470	LUM296DS470
505-CYAN	Lumidox II 96-Position LED Array with Diffuse Mat	LUM296DA505	LUM296DS505
527-GREEN	Lumidox II 96-Position LED Array with Diffuse Mat	LUM296DA527	LUM296DS527
590-AMBER	Lumidox II 96-Position LED Array with Diffuse Mat	LUM296DA590	LUM296DS590
630-RED	Lumidox II 96-Position LED Array with Diffuse Mat	LUM296DA630	LUM296DS630
660-DEEP RED	Lumidox II 96-Position LED Array with Diffuse Mat	LUM296DA660	LUM296DS660
730-IR	Lumidox II 96-Position LED Array with Diffuse Mat	LUM296DA730	LUM296DS730
810-IR	Lumidox II 96-Position LED Array with Diffuse Mat	LUM296DA810	LUM296DS810
WHITE	Lumidox II 96-Position LED Array with Diffuse Mat	LUM296DAWHT	LUM296DSWHT

** requires the use of a sufficient chiller/cooling device*

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