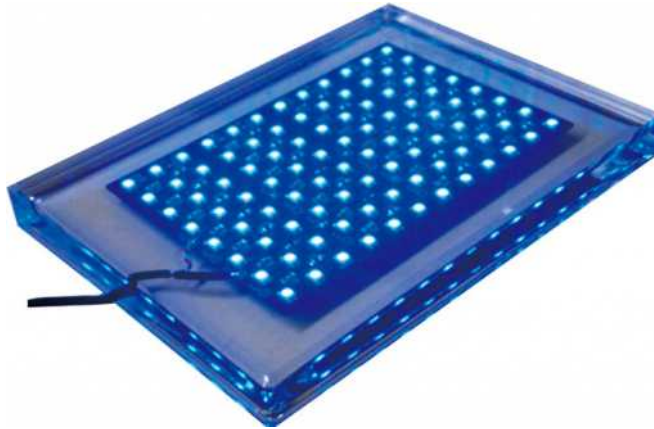


LED ARRAY SYSTEM

Optogenetics became explosively popular for controlling animal behavior in-vivo, however, recently this technology was applied for in-vitro cells or tissues for controlling gene expression. For this purpose, long-term and time-controlled light stimulation in a culture incubator is required. This full waterproof LED array fulfills all the requirements for the in-vitro optogenetics experiments.



LED Array
model: LEDA-x
x: color code, see bottom-left of this page



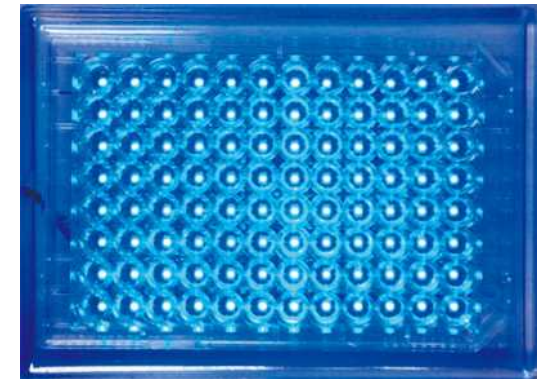
LED Array Driver
model: LAD-1

FITS PERFECTLY FOR MULTI-WELL PLATE

It's designed for any of commercial multi-well plates so can be used together with e.g. 6, 12, 24, 48 and 96 well plates. Especially it's perfectly fits for 96 well plate because each LED element comes just under each well.



6 well



Upper view with 96 well plate

TRIGGER INPUT

By the mode switch of LAD-1 LED Array Driver you can choose constant mode or trigger mode. In trigger mode, the Trg In BNC on the back panel is used for receiving trigger TTL pulses from a stimulator so that it enables time-controlled pulsed stimulation in-vitro.

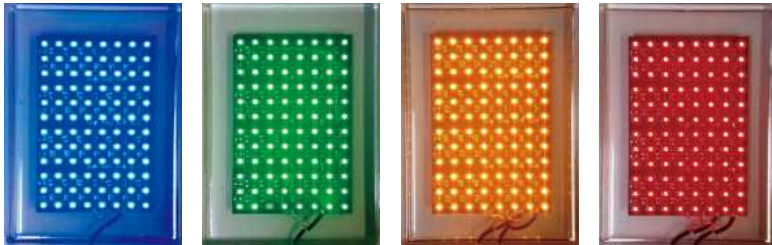


Back panel of LAD-1
LED Array Driver

Connect with STOmK-2
Stimulator

MANY COLOR OPTIONS

model:LEDA-x



470nm

530nm

590nm

630nm

Color code

B: 470nm / G: 530nm / Y: 590nm / R: 630nm / I: 940nm

* contact us for other colors

model:LEDA2-BY



It emits 470nm and 590nm lights from the same LED
* element. Two LAD-1 are required.