

Resource Summary Report

Generated by [Kravitz](#) on Sep 10, 2026

LED Matrix Stimuli

RRID:SCR_022345

Type: Tool

Proper Citation

LED Matrix Stimuli (RRID:SCR_022345)

Resource Information

URL: <https://edspace.american.edu/openbehavior/project/led-matrix-stimuli/>

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Description: Open source device consists of three LED matrices that can be independently controlled via open source Arduino Uno microcontroller. Matrices of LEDs are mounted above nose pokes to examine perceptual decision making in rats. Highly modifiable LED matrices for visual stimulus presentation in behavioral studies. Designs for printing these accessory devices are available in GitHub account for the project.

Resource Type: data or information resource, instrument resource, portal, project portal

Defining Citation: [DOI:10.1523/ENEURO.0563-20.2021](https://doi.org/10.1523/ENEURO.0563-20.2021)

Keywords: OpenBehavior, Instrument, device, behavior apparatus, behavioral task, perceptual decision making in rats

Availability: Free, Freely available

Resource Name: LED Matrix Stimuli

Resource ID: SCR_022345

Alternate URLs: <https://github.com/LaubachLab/LED-matrices>

License: GPL v3

Record Creation Time: 20220602T050140+0000

Record Last Update: 20260905T133013+0000

Ratings and Alerts

No rating or validation information has been found for LED Matrix Stimuli.

No alerts have been found for LED Matrix Stimuli.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.