

Resource Summary Report

Generated by SPARC SAWG on Sep 17, 2026

LED Zappelin'

RRID:SCR_022560

Type: Tool

Proper Citation

LED Zappelin' (RRID:SCR_022560)

Resource Information

URL: <https://github.com/BadenLab/LED-Zappelin>

Proper Citation: LED Zappelin' (RRID:SCR_022560)

Description: Open source LED controller for arbitrary spectrum visual stimulation and optogenetics during 2 photon imaging. Device that rapidly time interleaves stimulation and detection epochs during two photon imaging.

Resource Type: data or information resource, portal, topical portal

Defining Citation: [PMID:35498254](https://pubmed.ncbi.nlm.nih.gov/35498254/)

Keywords: Instrument, OpenBehavior, LED controller, arbitrary spectrum visual stimulation, optogenetics, two photon imaging, stimulation and detection, behavioral neuroscience

Availability: Free, Freely available

Resource Name: LED Zappelin'

Resource ID: SCR_022560

Alternate URLs: <https://edspace.american.edu/openbehavior/project/led-zappelin/>

License: GNU GPL v3.0

Record Creation Time: 20220716T050142+0000

Record Last Update: 20260912T200027+0000

Ratings and Alerts

No rating or validation information has been found for LED Zappelin'.

No alerts have been found for LED Zappelin'.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Zimmermann MJY, et al. (2020) LED Zappelin': An open source LED controller for arbitrary spectrum visual stimulation and optogenetics during 2-photon imaging. HardwareX, 8, e00127.