

Resource Summary Report

Generated by [RRID](#) on Aug 14, 2026

luox

RRID:SCR_020994

Type: Tool

Proper Citation

luox (RRID:SCR_020994)

Resource Information

URL: <https://luox.app/>

Proper Citation: luox (RRID:SCR_020994)

Description: Open access software platform to facilitate calculation of quantities related to light and lighting. Users can upload spectra and platform will calculate relevant quantities including luminance, chromaticity, and ?-opic radiance and ?-opic daylight luminances from spectra, generate visualisation of spectrum, and enable export of calculations in tabular form.

Resource Type: data access protocol, software resource, web service

Keywords: Light quantities calculation, luminance, chromaticity, ?-opic radiance, ?-opic daylight luminances, spectra, spectrum visualisation generation

Availability: Free, Freely available

Resource Name: luox

Resource ID: SCR_020994

Record Creation Time: 20220129T080353+0000

Record Last Update: 20260814T043020+0000

Ratings and Alerts

No rating or validation information has been found for luox.

No alerts have been found for luox.

Data and Source Information

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Dick M, et al. (2025) Reducing Test Anxiety: A Randomized Controlled Pilot Study of Evening Bright Light Exposure in University Students. Depression and anxiety, 2025, 1422406.

Schöllhorn I, et al. (2024) The Impact of Pupil Constriction on the Relationship Between Melanopic EDI and Melatonin Suppression in Young Adult Males. Journal of biological rhythms, 39(3), 282.

Hammad G, et al. (2024) Open-Source Python Module for the Analysis of Personalized Light Exposure Data from Wearable Light Loggers and Dosimeters. Leukos, 20(4), 380.

Spitschan M, et al. (2024) Selecting, implementing and evaluating control and placebo conditions in light therapy and light-based interventions. Annals of medicine, 56(1), 2298875.

Spitschan M, et al. (2021) lux: validated reference open-access and open-source web platform for calculating and sharing physiologically relevant quantities for light and lighting. Wellcome open research, 6, 69.

Spitschan M, et al. (2021) Time-Varying Light Exposure in Chronobiology and Sleep Research Experiments. Frontiers in neurology, 12, 654158.

Spitschan M, et al. (2021) [(Intrinsically photosensitive retinal ganglion cells. The physiological non-visual effects of light)]. Zeitschrift für praktische Augenheilkunde & augenärztliche Fortbildung : ZPA, 42, 431.