

Resource Summary Report

Generated by [dkNET](#) on Sep 16, 2026

Assembling Cooled LED Illuminator

DOI:10.17504/protocols.io.bcrniv5e

Type: Protocol

Proper Citation

Jakub Nedbal 2020. Assembling Cooled LED Illuminator. protocols.io
[dx.doi.org/10.17504/protocols.io.bcrniv5e](https://doi.org/10.17504/protocols.io.bcrniv5e)

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.bcrniv5e>

Authors: Jakub Nedbal

Summary: The cooled LED illuminator is a large heatsink with self-adhesive LED strips, four axial fans, and the LED controller attached to it. This document is part of the Illuminated Orbital Shaker for Microalgae Culture project: Procuring Parts for Algal Shaker Assembling LED Controller Electronics 3D Printing Case for LED Controller Assembling Cooled LED Illuminator (this document) Cutting and Drilling Clear Acrylic Sheet Assembling Algal Shaker

Associated Publications: Nedbal J, Gao L, Suhling K, Bottom-illuminated orbital shaker for microalgae cultivation. HardwareX doi: [10.1016/j.ohx.2020.e00143](https://doi.org/10.1016/j.ohx.2020.e00143)

Affiliations: King's College London

External URL: <https://app.labstep.com/sharelink/8f145ee3-eecc-4f9f-8e99-fc7b4f41d12e>

Version: 1

Publication Date: 2020

Proper Citation: Jakub Nedbal 2020. Assembling Cooled LED Illuminator. protocols.io
[dx.doi.org/10.17504/protocols.io.bcrniv5e](https://doi.org/10.17504/protocols.io.bcrniv5e)

Record Creation Time: 20210329T220517+0000

Record Last Update: 20210329T220834+0000

Data and Source Information

Source: