



LED holder for Leitz Wetzlar SM microscope



CGrassin

[VIEW IN BROWSER](#)

updated 12. 4. 2022 | published 10. 2. 2022

Summary

Update: I designed a much better circuit to drive the LED https://github.com/CGrassin/microscope_led_light_circuit...

[Learning](#) > [Chemistry & Biology](#)

Update: I designed a much better circuit to drive the LED https://github.com/CGrassin/microscope_led_light_circuit

This is a 1W/3W LED holder for the Leitz Wetzlar SM microscope. It should press-fit on the base, some minor sanding may be needed.

Print in white or black filament (no color, it would affect the light tint)! Glue the cables and LED with CA.

Included in the archive is the STL, STEP and Solidworks file.

I also included a wiring diagram for my dimmer circuit, that we can see in the little black box next to the microscope.

You must put a lens on the LED: I recommend a 30° one.

Third photo is green pepper skin cells.

Print Settings

Printer Brand:

Anet

Printer:

A8

Rafts:

No

Supports:

No

Resolution:

0.2mm

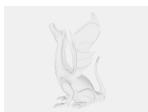
Filament:

ICE PLA

White

Category: Biology

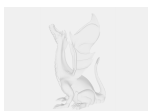
Model files



leitz_sm_1w_led.sldprt



leitz_sm_1w_led.stl



leitz_sm_1w_led.step

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com/thing/1111111)

License ©

This work is licensed under a
Creative Commons (4.0 International License)



Attribution

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✓ | Commercial Use
- ✓ | Free Cultural Works
- ✓ | Meets Open Definition