



LED Light for 20x20 Extrusion

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VIEW IN BROWSER

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

Summary

This is an enclosure for mounting LED lights on aluminum t-slotted extrusion, with the intended application being to...

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This is an enclosure for mounting LED lights on aluminum t-slotted extrusion, with the intended application being to illuminate the build platform of a 3D printer. Mine is a TAZ 6, but it should work well with any that has a framework constructed out of aluminum extrusion (either 20x20 or 10 series).

The original design may be found here: <https://a360.co/2zURIVr>

You will need LED lights, a switch, a voltage adjuster and a DC power connector. This is what I used:

LED lights: https://www.amazon.com/gp/product/B00EKMIV12/ref=as_li_ss_tl?

ie=UTF8&psc=1&linkCode=sl1&tag=ksadesigns-20&linkId=1ba19e0bbaa38601dc2aea
(2 for \$9)

Switch: [https://www.amazon.com/gp/product/B00EKMIV12/ref=as_li_ss_tl?](https://www.amazon.com/gp/product/B00EKMIV12/ref=as_li_ss_tl?ie=UTF8&psc=1&linkCode=sl1&tag=ksadesigns-20&linkId=1ba19e0bbaa38601dc2aea)
ie=UTF8&psc=1&linkCode=sl1&tag=ksadesigns-20&linkId=1ba19e0bbaa38601dc2aea
(10 for \$8)

Voltage controller: <http://tinyurl.com/ydgjy6yr> (2 for \$9)

DC power plug connector: [https://www.amazon.com/gp/product/](https://www.amazon.com/gp/product/B00EKMIV12/ref=as_li_ss_tl?ie=UTF8&psc=1&linkCode=sl1&tag=ksadesigns-20&linkId=1ba19e0bbaa38601dc2aea)
B00EKMIV12/ref=as_li_ss_tl?
ie=UTF8&psc=1&linkCode=sl1&tag=ksadesigns-20&linkId=1ba19e0bbaa38601dc2aea
(10 for \$7)

So you can get a decent light for about \$16 in parts and plastic.

It's a tight fit and the blades on the switch will have to be bent. There is also a little bit of soldering involved. Use double sided tape to secure the lights inside their recesses. Let me know how it goes and if you have any questions.

Category: 3D Printer Accessories

Model files



led_hoplder_bottom.stl



led_holder_top.stl

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

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