



Voron Disco/ Daylight on a Stick LED Mount Tray With Snap-On Diffuser



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updated 24. 3. 2024 | published 24. 3. 2024

Summary

Affix your PCB-based LED sticks to your 2020 extrusions in an elegant and fashionable way!

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I couldn't find a model that would let me mount and hide my Disco-on-a-stick and Daylight-on-a-stick LED strips and hide the lights behind a tidy diffuser, so here it is.

The provided Step files are designed for a Voron 2.4 350, but I've also included the F3D file so you can resize it to fit your printer.

The tray is mounted to the 2020 extrusion using T-nuts and M3x8 bolts.

The tray is designed to receive two Voron-spec heat set inserts (M3x5x4) to attach the stick.

I printed the tray out of black ASA and the diffuser out of transparent PETG using the standard voron print settings.

Make sure your printer/slicer are tuned to take ABS shrinkage into account! Those prints are very long and even a 0.5% difference in shrinkage will cause the holes not to align!

EDIT: Added 250/300 and Voron 0.X versions. They are untested, so let me know if there's an issue! I also updated the F3D source with better parameters, if you want to generate custom sizes.

Model files



Matchstick (Vorons 0.X)

3 files

diffuser-matchstick.step

daylight-on-a-matchstick.step

disco-on-a-matchstick.step



XXL (350 Vorons)

3 files

diffuser-xxl.step

daylight-on-a-stick-xxl.step

disco-on-a-stick-xxl.step



Standard (250-300 Vorons)

3 files

diffuser.step

daylight-on-a-stick.step

disco-on-a-stick.step

source-file.f3d

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