Bambu Lab X1C LED Bracket v2

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VIEW IN BROWSER

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Summary

LED Lighting Bracket for the Bambu Lab X1C with v2 updates

3D Printers > 3D Printers - Upgrades

Tags: led bambulab bambulabx1carbon

UPDATE 1: 12/23/2022

For everyone that asked, I hope you enjoy. The second version includes the same original brackets, but with risers to allow the AMS to site just overtop. The design is meant to be printable on a single plate still, but one option of the feet includes a TPU component that should be printed separately on default settings 0.2mm layer height. There’s a few things to know about the risers. First off, I haven’t tested these. I typically design with a model of the printer and AMS, which I know to be accurate so I feel pretty confident it will, but until I print some out and try them for myself If anyone finds that they don’t fit, please let me know so I can fix it. The two sets are slightly different:

1. Risers1: These risers can be printed in the same filament as everything else. The only thing I would recommend is using a little 3M double sided tape underneath.

2. Risers2: These risers have two components. The bottom piece is designed to be easily printed in TPU for a cushioned foot. It’s slotted to sit just around the upper half.

SUMMARY

There are 2 versions. One which has to be glued together and another that has print in place clips built in so you can just snap it together and be done. I made this to add LED strips across the top and along the same side as the existing LED to provide added light without flooding the model in the cam. This barely fits, but if you turn off flow calibration they will both fit on a single plate.

My print settings: Bambu Studio

- 0.12mm layer height (0.2mm should be fine)
- 4 Walls
- No Brim
- Supports enabled (This is only needed for version 2)
    - Normal(auto) supports and ‘on build plate only’ ticked for the female half (F-Half). This should only apply supports to the two buttons on the side.
    - Hybrid(auto) supports and ‘support critical regions only’ ticked. This should apply supports to the bottom of the clip. Depending on your support settings and filament, you may need to sand down the bottom after printing to get it to clip in smoothly.

Model files

led-bracket-v2.3mf

led_bracket-v1.stl

led-bracket-v1.step

led-brace-v2.3mf

led-brace-v2.step

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riser_cushions.3mf

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led-bracket1.3mf

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led-bracket2.3mf

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