



LED PCB Spacer for Banggood RGB LED Canton Tower kit

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VIEW IN BROWSER

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Summary

Spacer block for evenly spacing out the 32 "rings" of LEDs in the Banggood RGB LED Canton Tower kit

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This is a little spacer block for evenly spacing out the 32 "rings" of LEDs in the Banggood RGB LED Canton Tower kit. (<https://uk.banggood.com/custlink/3vKYokPDv>)

I'm making a series of videos detailing the process of building this kit, here's the links:-

Part 1 - the intro and unboxing video - <https://youtu.be/80xEHzgpSfw>

Part 2 - building the main PCB - <https://youtu.be/JvUHCe0f5CE>

Part 3 - building the interconnect PCB - https://youtu.be/9cFhkjX0S_Y

Part 4 - Soldering up the LED PCB's :- <https://youtu.be/c1Qd4M8edwE>

Part 5 - Assembling the Tower of LEDs (where this spacer is used) :- <https://youtu.be/iHrG6jx0ZJQ>

Part 6 - Wiring the Tower & 1st test :- <https://youtu.be/yYqN3D-mwAM>

Part 7 - The Finale (or is it??) :- https://youtu.be/SD521vIF_G4

Part 8 - Demo of display modes :- <https://youtu.be/h9ekcKVZD8k>

This is designed to be symmetrical so that it doesn't matter which way it is used, and is designed with a concave base to sit over the 5mm LED, and then a 2nd spacer can be attached by it's little handle/tang into the square hole so that it is aligned to the same height (see pics for detail) Then you can solder up the joints where they are supported before soldering the rest up (there's 16 solder joints to be made on each completed LED "ring", but if you just solder up just the ones above where these support spacers are, that will hold it level, and if it's not level you can easily reflow one joint to adjust)

The spacer as designed will allow for nearly a 1 meter tall tower.

Print at least 2 of them, and if you lay it on on it's side in your slicer you won't need any supports.

Print Settings

Printer Brand:

Anet

Printer:

A8

Rafts:

No

Supports:

No

Resolution:

200

Infill:

15-20

Filament: Sunlu PETG white

Category: Electronics

Model files



canton_led_tower_28mm_spacer_v3.f3d

bg_canton_led_tower_led_spacer_28mm.stl

[Find source .stl files on Thingiverse.com](#)

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