



Present / Gift LED Flex Rope Light Decoration

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Summary

Push Fit LED Rope Light Present Gift decoration

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Originally inspired by bigclivedotcom's neon shapes video - <https://www.youtube.com/watch?v=y9bSzE9ir1Q>

Helpfully created using ksjh's LEDneon OpenSCAD script - <https://github.com/ksjh/LEDneon>

Designed to fit a standard Ender 3 / Mk3S print bed (up to 200x200). I recommend printing these with a 0.8 nozzle for speed and strength. Able to be printed in PLA, LED's do get lukewarm to touch but no where near hot enough to melt PLA.

The uploaded model was created using a slot width of 6mm, a height of 11mm and a floor height of 1.2 (3 layers of 0.4mm layer height / 6 layers of 0.2mm layer height). This version has a wall width of 1.2 (double perimeter of a 0.6 nozzle, triple perimeter of a 0.4 nozzle)

DO NOT RESIZE IN SLICER - it will throw the dimensions out. You will need to change the size of the SVG (I recommend Inkscape) and then recreate the STL using SCAD.

To change these settings you will need to use ksjh's code (download the whole zip, change your dimensions in neon-dimension.scad and then run line-tracing-svg.scad with the uploaded Present.svg)

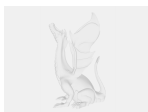
I then manually added a hole for the cables by importing into TinkerCAD.

I purchased the LED Rope light on [Ebay](#) and hand soldered connectors. You will need a 12V DC 1A power adapter. If you're in the UK I recommend [3DQF Filament](#)

For this model I mixed green and red to make the shape more obvious.

Please also see my [Snowflake](#) and [Christmas Tree](#) and [Stocking](#) and [Gingerbread Man](#) and [Candy Cane](#) and [Reindeer](#)

Model files

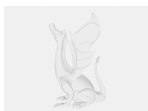


present-6mm-with-hole.stl



present-6mm.stl

Other files



present.svg

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