



Laser etched night light base with no soldering LED strips



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Summary

Made some base pieces to make customized laser etched night lights for an intro to laser cutting class

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Base for holding acrylic panels up for a customized LED diffused night light. Two parts, set the print orientation for no supports, 0.2mm layer height, 15% infill, polyterra PLA, etc., etc.

For the panels I used 2.7mm cast acrylic (<https://www.amazon.com/gp/product/B09FHYDGM1>) which were cut into 97mm x 97mm squares and laser etched with different designs.

For the LEDs, I used a white strip 5V (<https://www.amazon.com/gp/product/B08M65DKZ7>) which I cut into 6 LED segments (one roll is enough to make more than twelve) and then were fitted onto these connectors (<https://www.amazon.com/gp/product/B01MY7K8IT>) which don't require any soldering. Just peel the backing off the LED strip and stick them onto the 3D prints.

Model files



I1.stl



I2.stl

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