

Night Owl Wall Light

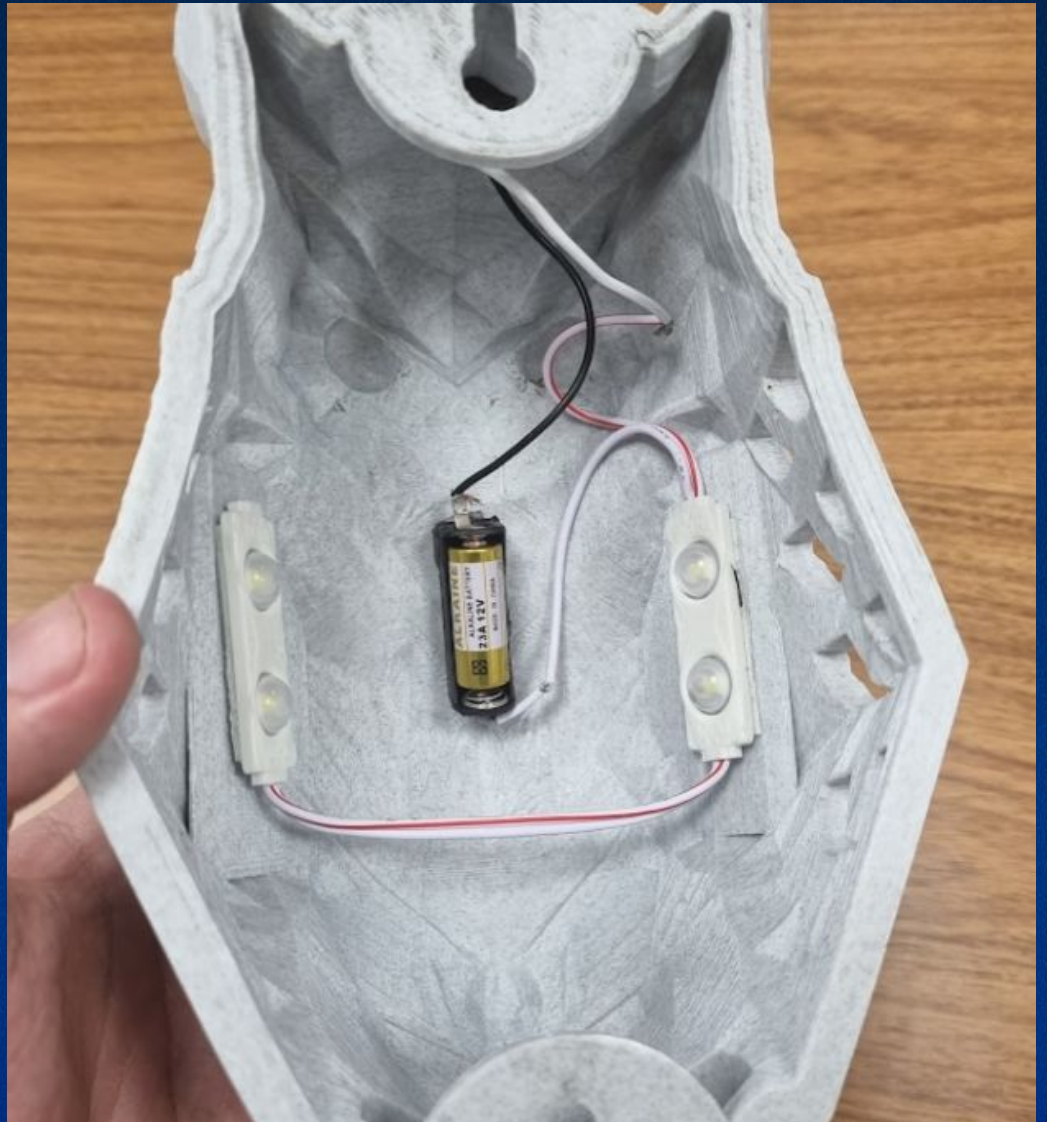
3D MODEL DESCRIPTION

This owl is not going to bed anytime soon, so you might as well turn it on and admire its shapes while she keeps you company.

Your Night Owl requires some assembly. Follow the instructions below:

What you'll need:

Printed light
LED Module (2x)
Battery Holder 12V
On-Off Switch
Solder
Soldering Iron
Electric Wire (5cm)



Night Owl Wall Light

3D MODEL DESCRIPTION

On-off Switch (15mm x 10mm 12V)

https://www.amazon.com/Endlessparts-Pieces-Black-Rocker-switch/dp/B09885NWGC/ref=sr_1_3?crid=26CUL3Y5FPNQE&keywords=switch+12v+15mm&qid=1690546495&srefix=switch+12v+15mm%2Caps%2C200&sr=8-3)

Battery Holder 23A

https://www.amazon.com/LUORNG-10PCS-Battery-Holder-Leads/dp/B09L87S74L/ref=sr_1_1_sspa?crid=OIAG6FT3G4J9&keywords=23a+battery+holder&qid=1689093789&srefix=23a+%2Caps%2C245&sr=8-1-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&psc=1

Wire

https://www.amazon.com/TYUMEN-Electrical-Extension-Flexible-Lighting/dp/B07SG23DT1/ref=sr_1_14_sspa?keywords=led+wire&qid=1690517964&sr=8-14-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&psc=1

LED Module

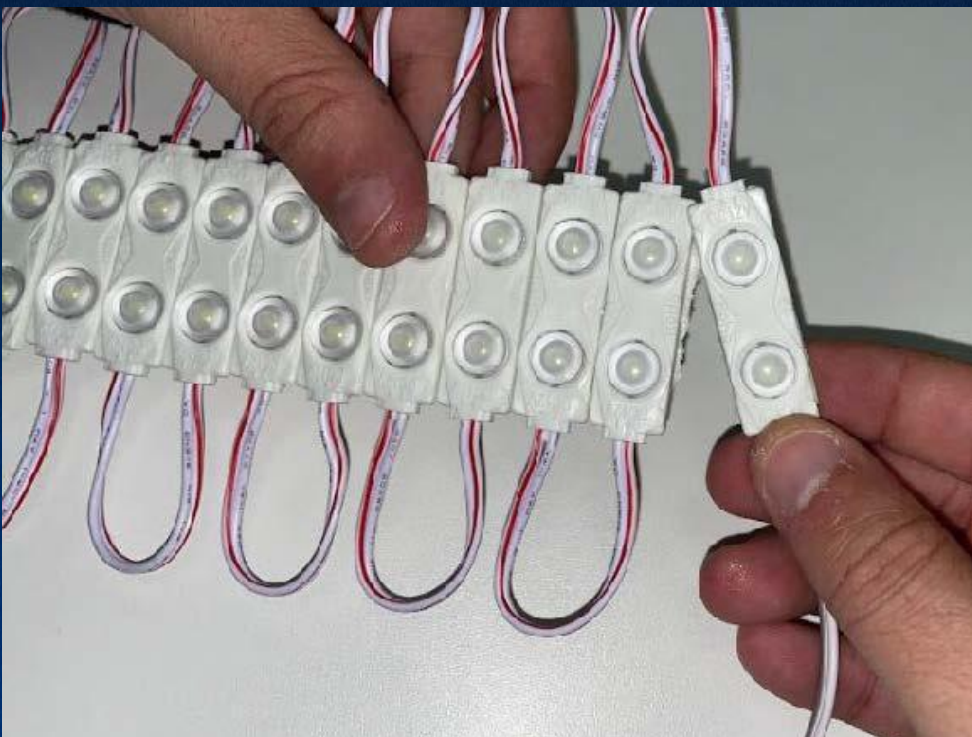
https://www.amazon.com/Rextin-Waterproof-Decorative-Advertising-Adhesive/dp/B07BKT53ZP/ref=sr_1_4_sspa?keywords=led%2Bmodules&qid=1689093544&sr=8-4-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&th=1

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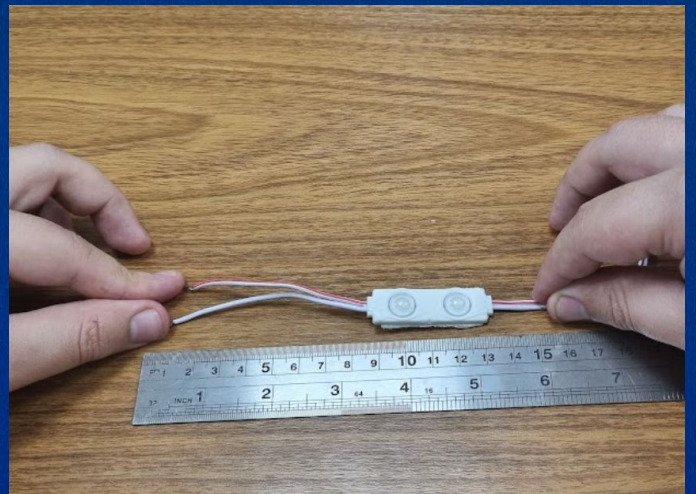
3D MODEL DESCRIPTION

Instructions:

- Separate the LED modules from the rest. Do not cut the wires between these two modules.



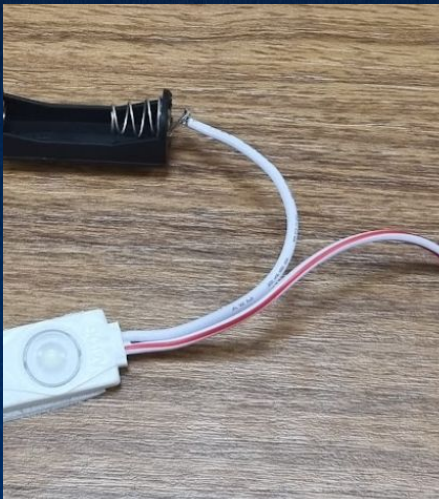
- On the end of one module, separate the two wires (the white and the red) from one another. Cut both wires at a length of 9cm. Strip the ends of both wires in about 1cm.



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- Using a solder, attach the white wire to the battery holder on its negative side (the one with the spring).



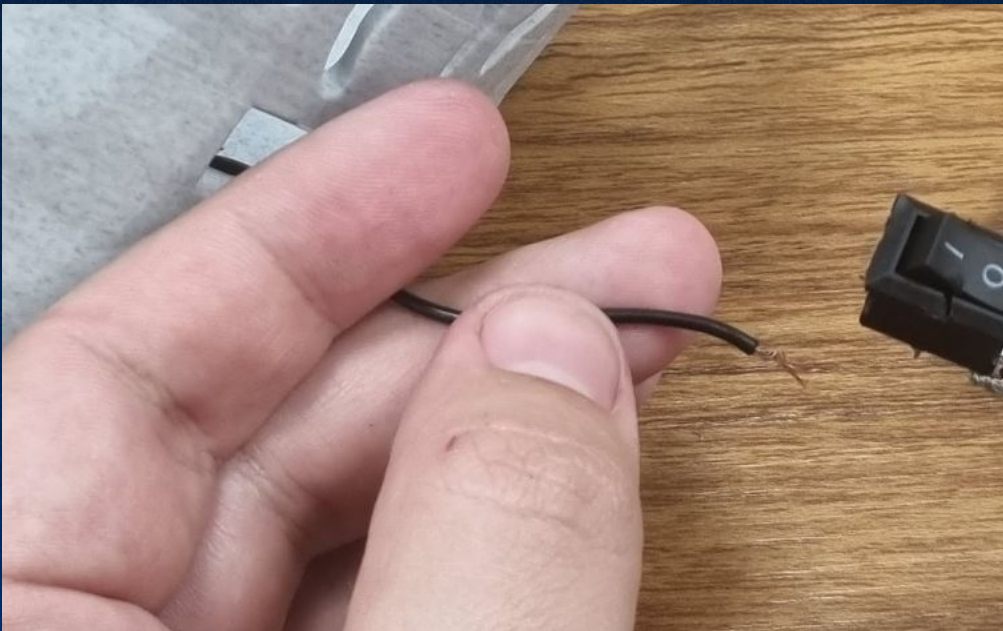
- Cut a separate piece of electric wire of 09cm, strip the ends and solder one of them to the positive side of the battery holder.



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- Thread the electric wire you attached to the battery holder through the rectangle hole of the Night Owl, then solder its end to the “I” (on) pin on the on-off switch.



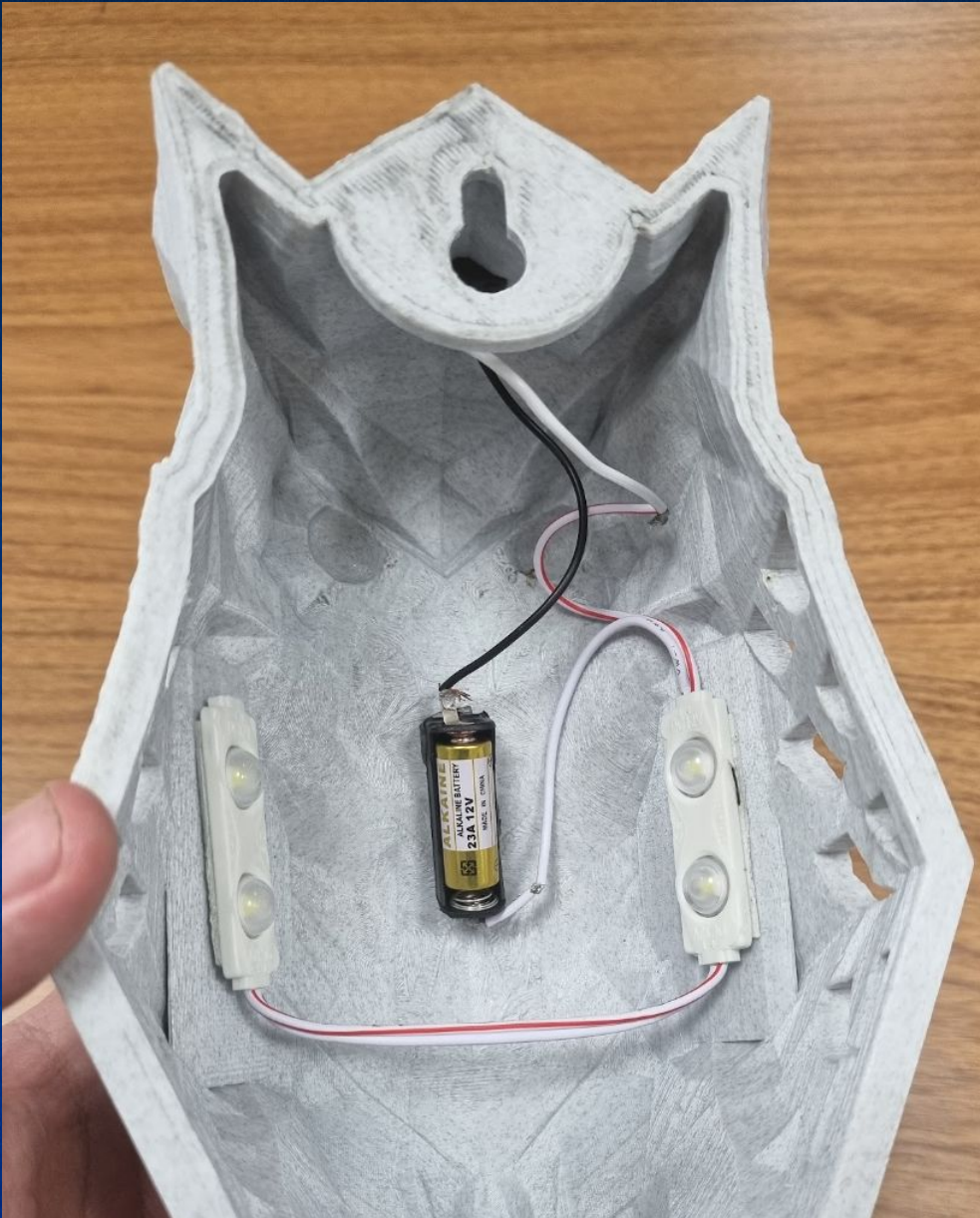
- Fit the on-off switch into the rectangle hole made for it on the Night Owl, and solder the wire connected to the “o” (off) pin of the on-off switch to the white wire of the LED module.



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- Use double sided tape to stick the battery holder in place inside the Night Owl according to the picture.
- Using their own double sided tape, stick the two LED modules on the inside of the Night Owl on its designated place next to the openings on the model, according to the picture.
- Your Night Owl is ready to shine!



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This owl is not going to bed anytime soon, so you might as well turn it on and admire its shapes while she keeps you company.

- This STL file is recommended for FDM Printers!
- 3D Printing Time: 23 Hours 37 Minutes
- Approximately Height : 12,3 cm

3D PRINT FILE SETTINGS (FOR 0.4 MM NOZZLE)

- **Line Width/ Nozzle:** 0.4 mm
- **First Layer Line Width:** 0.48 mm / 120%
- **Average Speed:** 20mm/s (First Layer) / 50mm/s (All the other layers)
- **Recommended Initial Layer Height:** 0.20 mm
- **Recommended Layer Height:** 0.20 mm
- **Recommended Perimeters/ Walls:** 3.
- **Recommended Infill (%):** 10% (Gyroid)
- **Needs Support:** We have printed ours without supports (note that if you choose to print this way, the inside of your print will have poor finishing. You can always use supports to make your print better)
- **Build Plate Adhesion:** Skirt.

The parameters above are recommendations made by our staff; if you prefer, you can adapt them according to your preferences.

Happy Printing!