

Bald Eagle Wall Light

3D MODEL DESCRIPTION

This majestic light shows how powerful eagles would be if they were nocturnal.

Your Bald Eagle 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)

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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

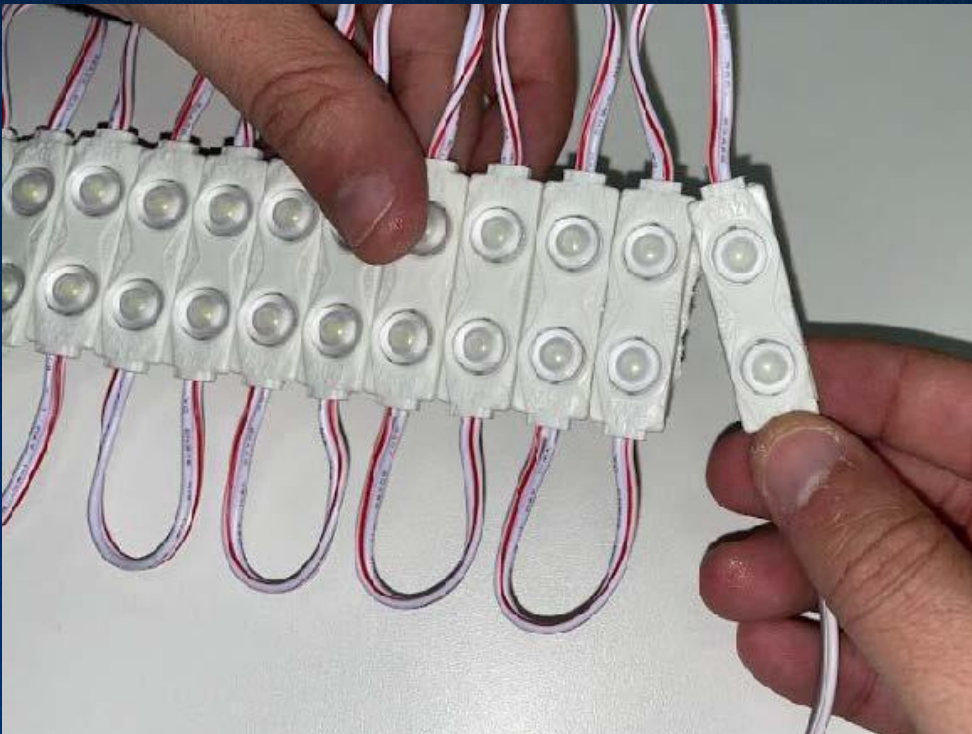
https://www.amazon.com/Rextin-Waterproof-Decorative-Advertising-Adhesive/dp/B07BKT53ZP/ref=sr_1_4_sspa?keywords=led%2Bmodules&qid=1689093544&sr=8-4-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&th=1

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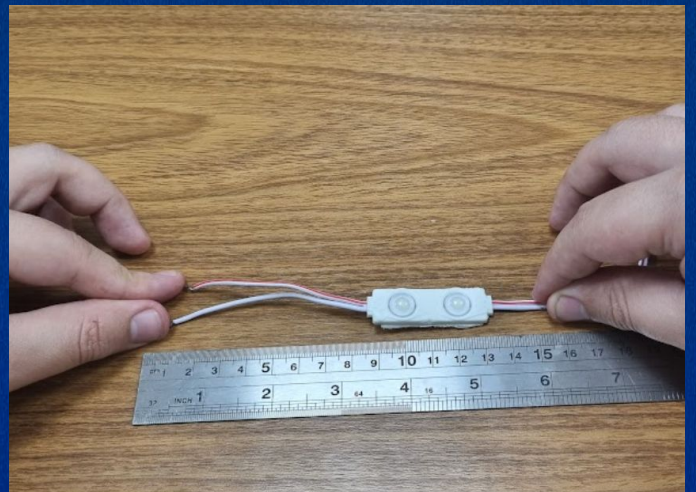
3D MODEL DESCRIPTION

Instructions:

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



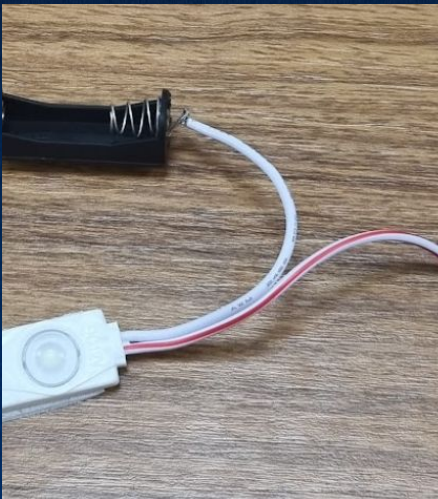
- On the end of one module, separate the two wires (the white and the red) from one another. Cut both wires at a length of 9cm. Strip the ends of both wires in about 1cm.



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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 14cm, strip the ends and solder one of them to the positive side of the battery holder.



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- Thread the red wire through the rectangle hole on the Bald Eagle, then solder its end to the “o” (off) pin on the on-off switch.
- Thread the remaining side of the electric wire you attached to the positive side of the battery holder through the rectangle hole of the Bald Eagle, then solder its end to the “I” (on) pin on the on-off switch.



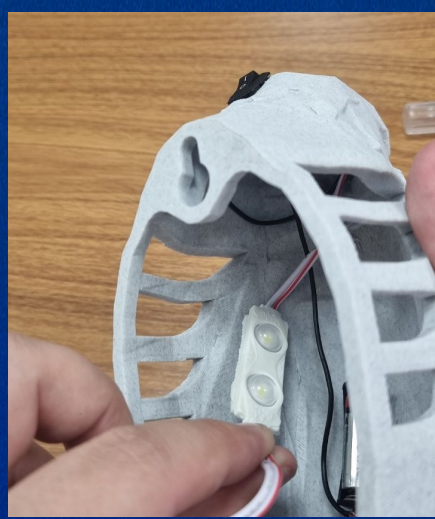
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- Use double sided tape to stick the battery holder in place inside the Bald Eagle according to the picture.



- Using their own double sided tape, stick the two LED modules on the inside of the Bald Eagle according to the picture, making sure they're each on one side of the eagle, and next to the openings on the model.



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- This STL file is recommended for FDM Printers!
- 3D Printing Time: 17 Hours 13 Minutes
- Approximately Height : 21,9 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!