

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)

Bald Eagle 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

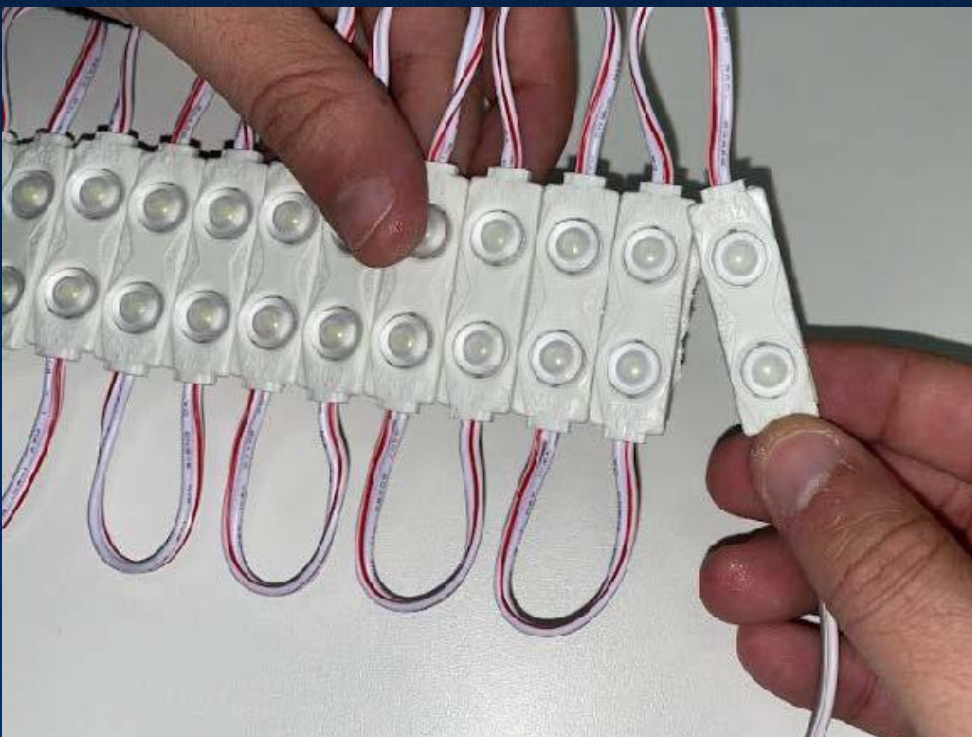
https://www.amazon.com/Rextin-Waterproof-Decorative-Advertising-Adhesive/dp/B07BKT53ZP/ref=sr_1_4_sspa?keywords=led%2Bmodules&qid=1689093544&sr=8-4-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&th=1

Bald Eagle Wall Light

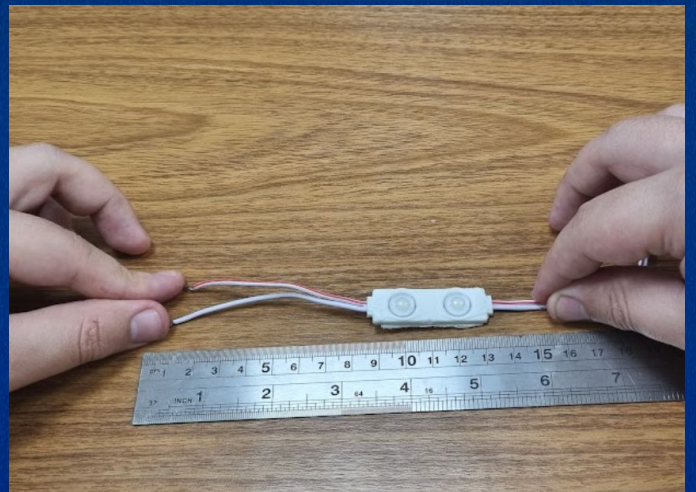
3D MODEL DESCRIPTION

Instructions:

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



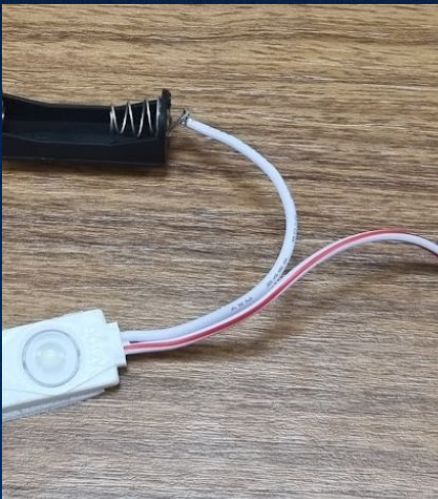
- On the end of one module, separate the two wires (the white and the red) from one another. Cut both wires at a length of 9cm. Strip the ends of both wires in about 1cm.



Bald Eagle Wall Light

3D MODEL DESCRIPTION

- 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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3D MODEL DESCRIPTION

- 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.



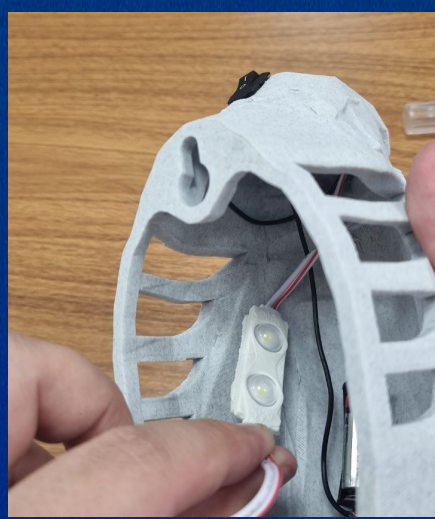
Bald Eagle Wall Light

3D MODEL DESCRIPTION

- 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.



Bald Eagle Wall Light

3D MODEL DESCRIPTION

- 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!

Wall Light DC Powered 12V Plug

ASSEMBLY DESCRIPTION

Your model requires some assembly. Follow the instructions below:

What you'll need:

Printed model
LED Module (depending on the model you're building - 2x or 4x)
DC Power Jack Female
On-Off Switch
Solder
Soldering Iron
Electric Wire 30cm

SUGGESTED LINKS FOR PARTS AND PIECES

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

[Amazon.com: Endlessparts 6 Pieces Black Rocker switch 15mm x 10mm 6a 2pin mini on off spst kdc1 12v b22](#)

DC Power Jack Female

[Amazon.com: ThreeBulls 12 Pieces 5.5mmx2.1mm 2 Pins DC Power Jack Female Panel Mounting Connector Socket](#)

Wire

[TYUMEN 100FT 16 Gauge 2pin 2 Color Red Black Cable Hookup Electrical Wire LED Strips Extension Wire 12V/24V DC Cable, 16AWG Flexible Wire Extension Cord for LED Ribbon Lamp Tape Lighting - Amazon.com](#)

LED Module

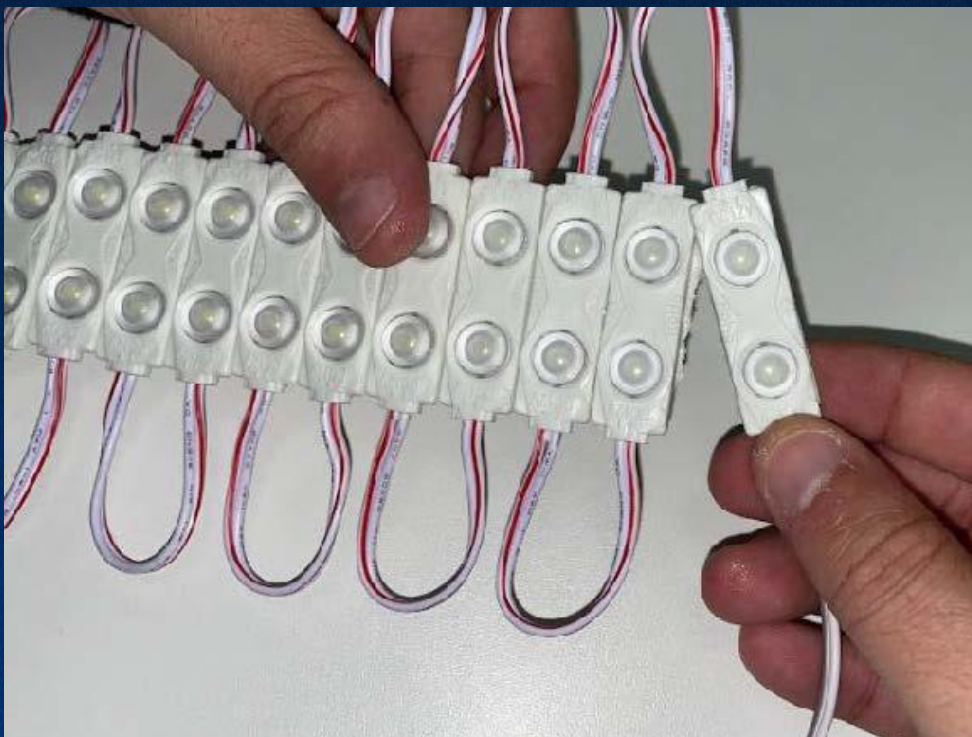
[REXTiN Super Bright 200pcs Mini 2835 2 LED Module DC12V Waterproof Decorative Light for Letter Sign Advertising Signs with Tape Adhesive Backside \(White\) - Amazon.com](#)

Wall Light DC Powered 12V Plug

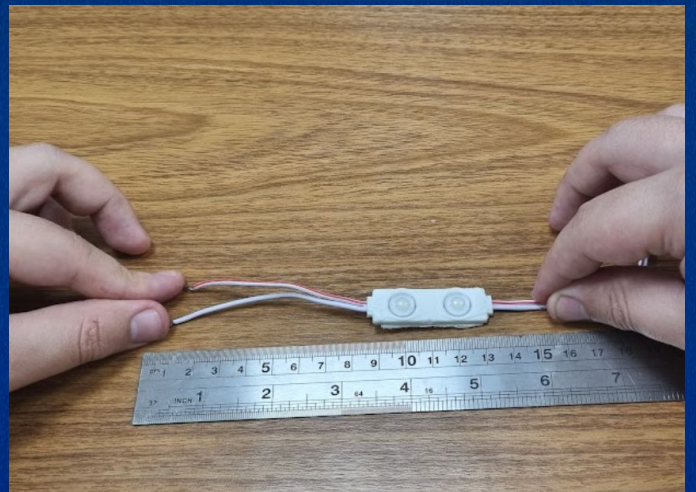
3D MODEL DESCRIPTION

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 0,5cm.

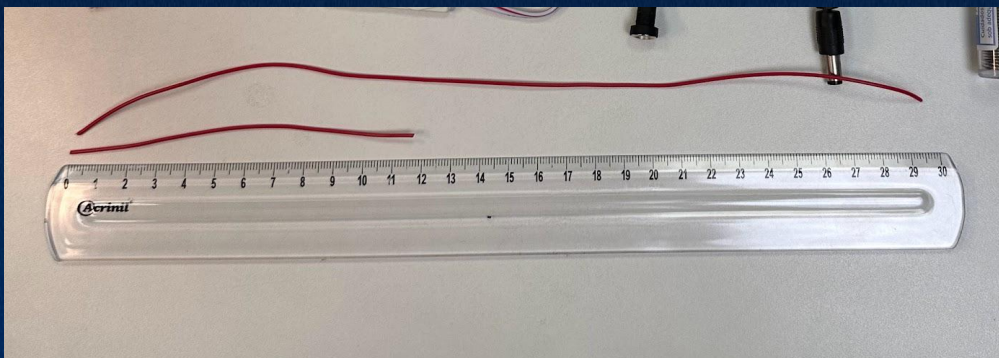


Wall Light DC Powered 12V Plug

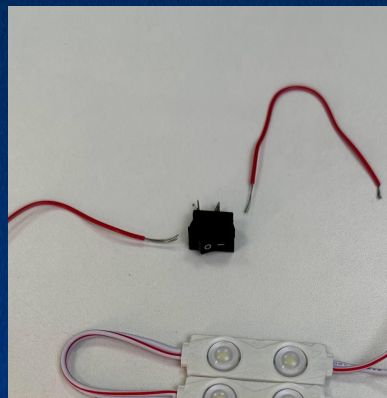
3D MODEL DESCRIPTION

Instructions:

- Cut 2 separate pieces of electric wire to use as POSITIVE (smaller) and NEGATIVE (bigger), strip the ends of both wires approximately 7mm.



- Use solder to attach the **positive** stripped wire end to the "I" (on) pin on the on-off switch.
- Now use solder to attach the **negative** stripped wire end to the "O" (off) pin on the on-off switch.

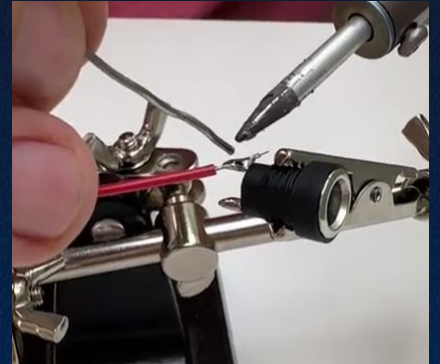


- place the wires through the hole and pass the negative wire through the hole for the DC power jack female.



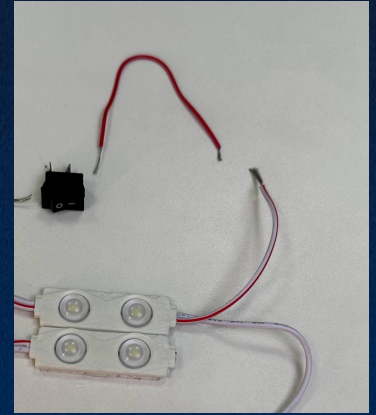
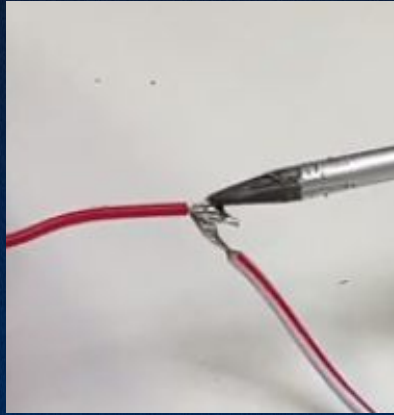
Wall Light DC Powered 12V Plug

- Use solder to attach the **negative** stripped wire end to the small pin on the DC Power Jack female
- Now pass the negative LED module wire through the DC Plug hole and weld to the DC Power jack female pin.
- Fit the DC Power Jack female to the printed model

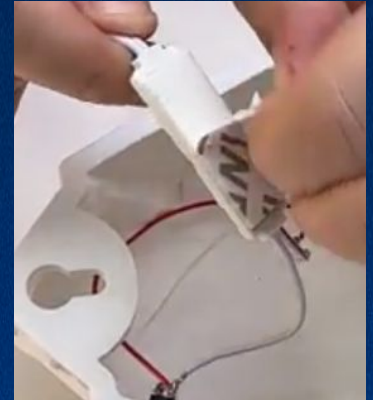


Wall Light DC Powered 12V Plug

- Weld the positive wire ("I" on) coming from the on-off switch to the positive wire in the LED module



- Use double sided tape to stick the 2 LED Modules on its designated place (Read Me File 1) on the printed model (read File 1)



- Your model is ready to **shine!**

