High Elk Wall Light

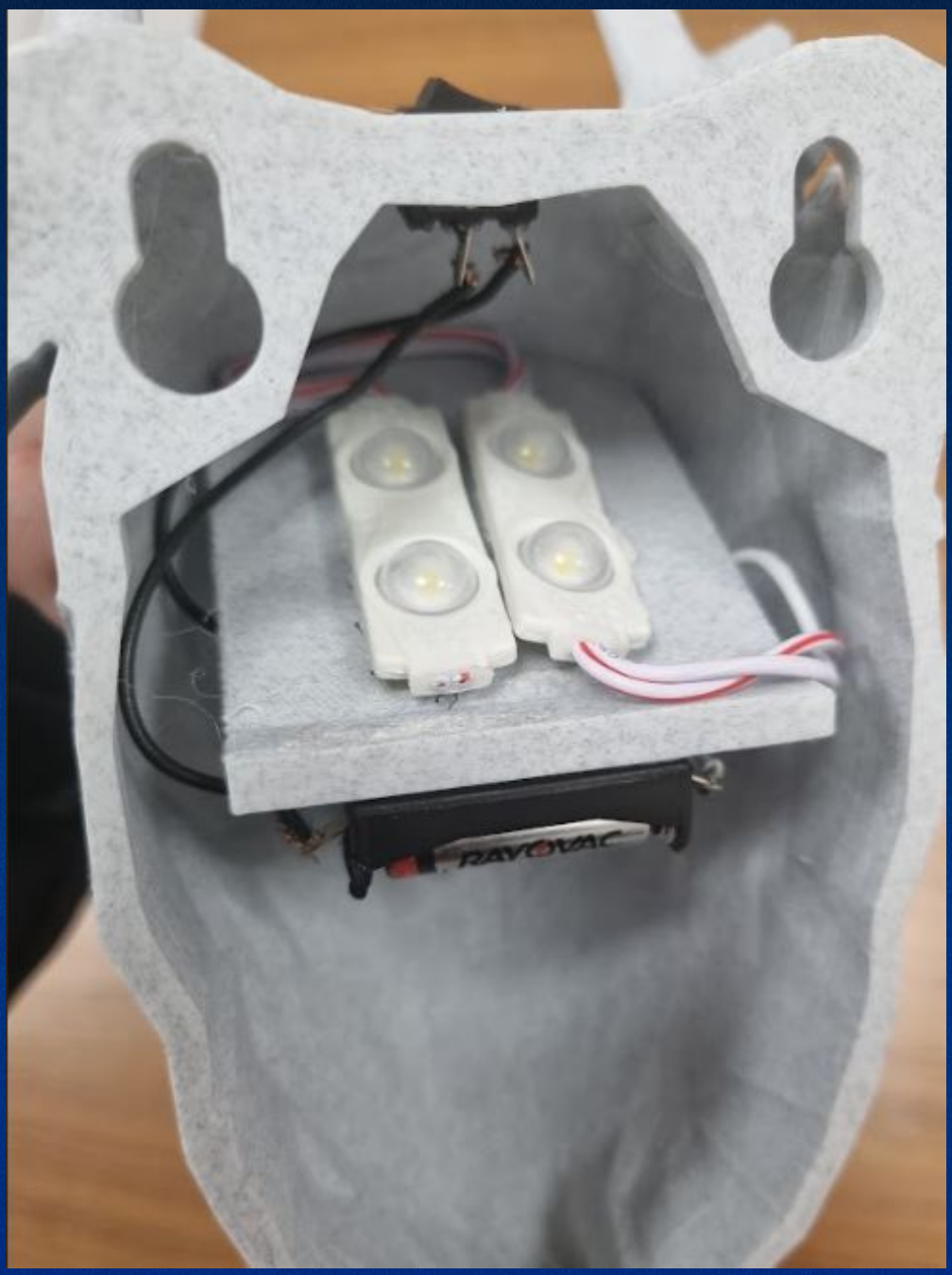
3D MODEL DESCRIPTION

When you turn on the light, its antlers show on the wall. It's very aMoosing!

Your High Elk 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)



STLFLIX

High Elk 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&sprefix=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&sprefix=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=d2lkZ2V0TmFtZT1zcF9tdGY&psc=1

LED Module

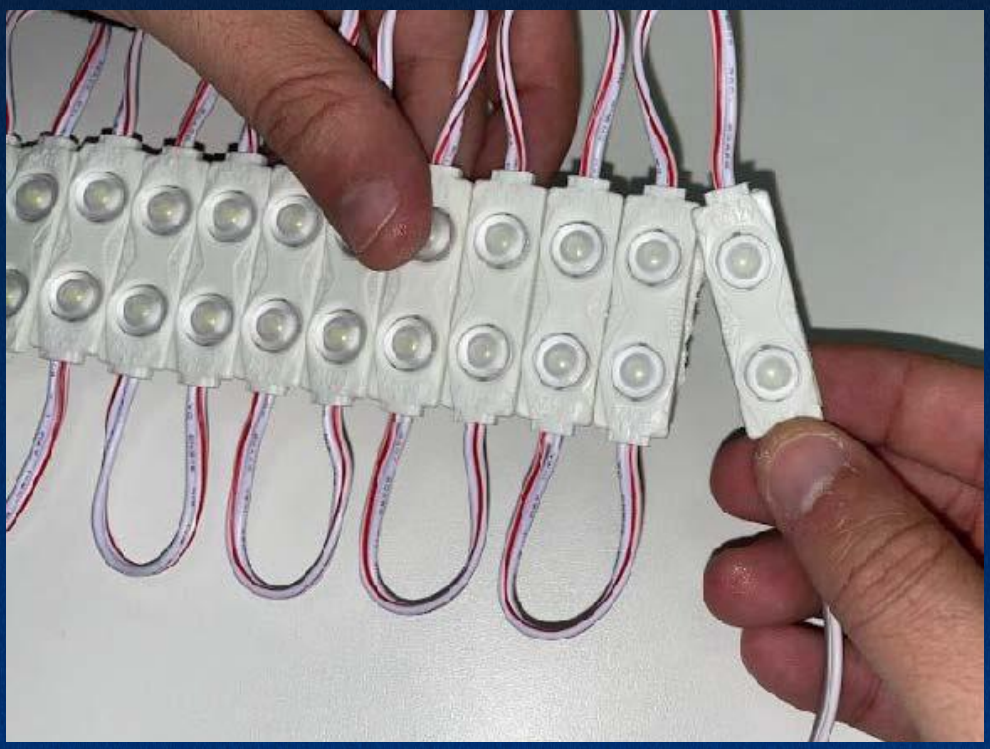
https://www.amazon.com/Rextin-Waterproof-Decorative-Advertising-Adhesive/dp/B07BKT53ZP/ref=sr_1_4_sspa?keywords=led%2Bmodules&qid=1689093544&sr=8-4-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&th=1

High Elk Wall Light

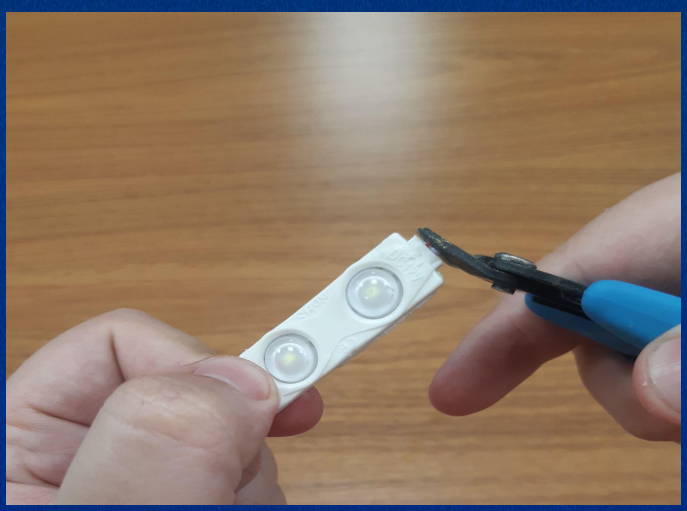
3D MODEL DESCRIPTION

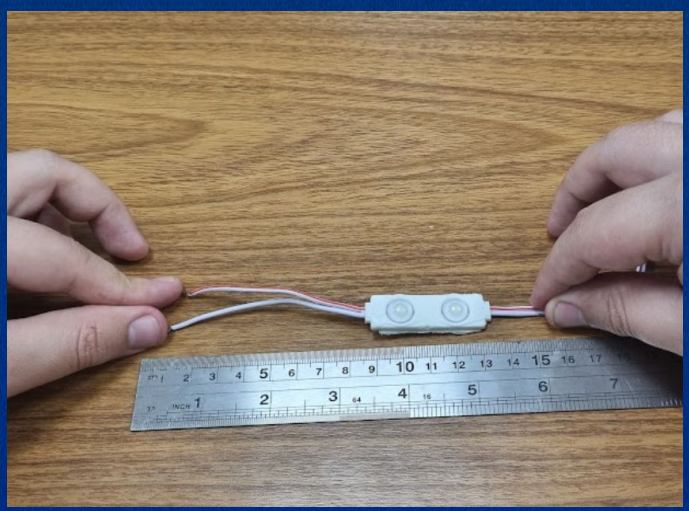
Instructions:

- 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.

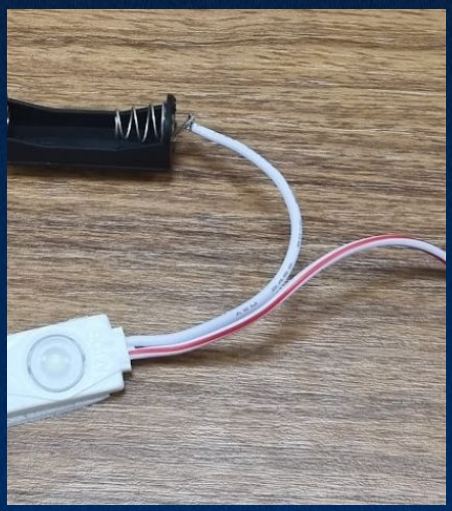




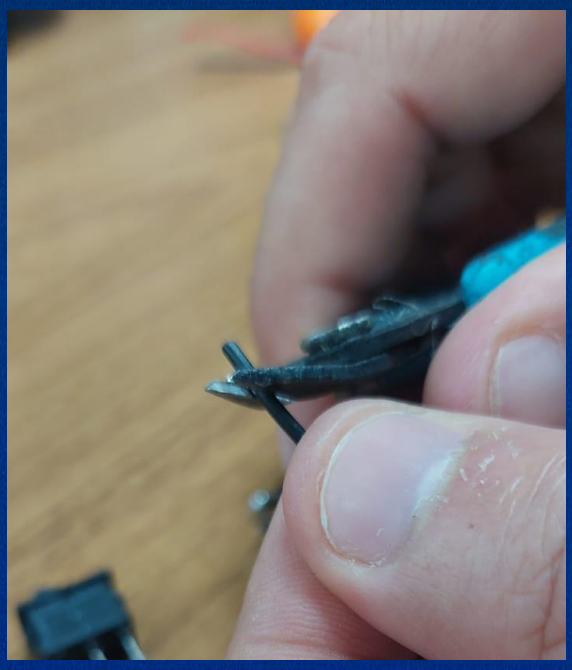
High Elk Wall Light

3D MODEL DESCRIPTION

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



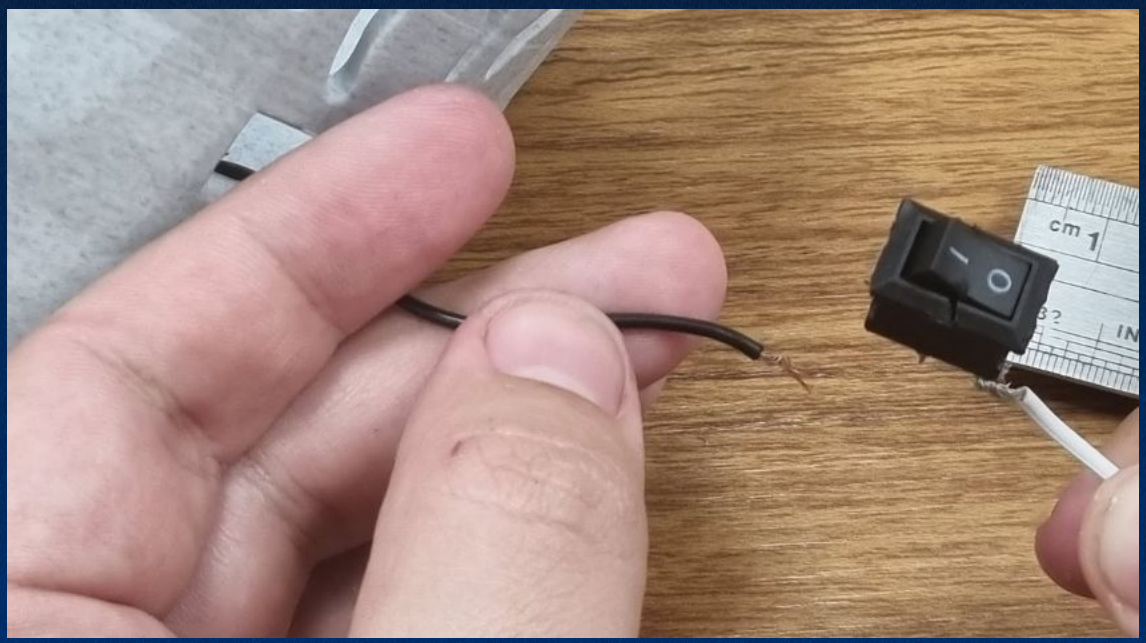
- Cut a separate piece of electric wire of 14cm, strip the ends and solder one of them to the positive side of the battery holder.



High Elk Wall Light

3D MODEL DESCRIPTION

- Thread the electric wire you attached to the battery holder through the rectangle hole of the High Elk, 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 High Elk, and solder the wire connected to the “o” (off) pin of the on-off switch to the white wire of the LED module.

High Elk Wall Light

3D MODEL DESCRIPTION

- Use double sided tape to stick the battery holder on its designated place inside the High Elk according to the picture.

- Using their own double sided tape, stick the two LED modules on the inside of the High Elk on its designated place, according to the picture.
- Organize the wires so that they don't get in the way of the light.
- Your High Elk is ready to shine!

High Elk Wall Light

3D MODEL DESCRIPTION

When you turn on the light, its antlers show on the wall. It's very aMoosing!

- This STL file is recommended for FDM Printers!
- 3D Printing Time: 20 Hours 23 Minutes
- Approximately Height : 18,5 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

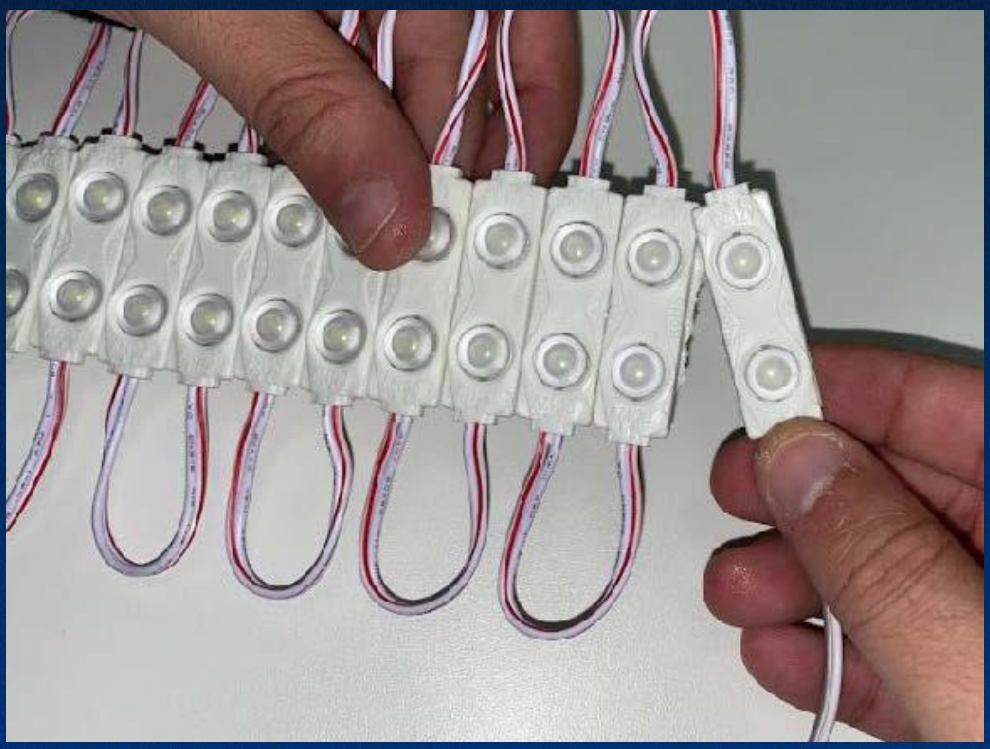
REXTiN Super Bright 200pcs Mini 2835 2 LED Module DC12V Waterproof Decorative Light for Letter Sign Advertising Signs with Tape Adhesive Backside (White) - Amazon.com

Wall Light DC Powered 12V Plug

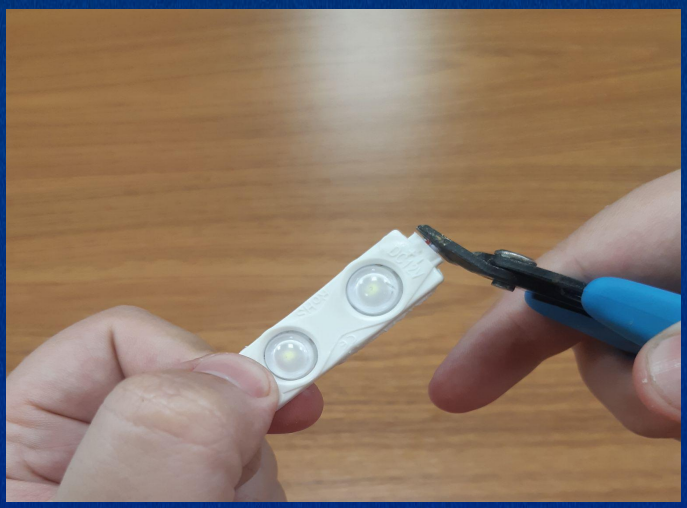
3D MODEL DESCRIPTION

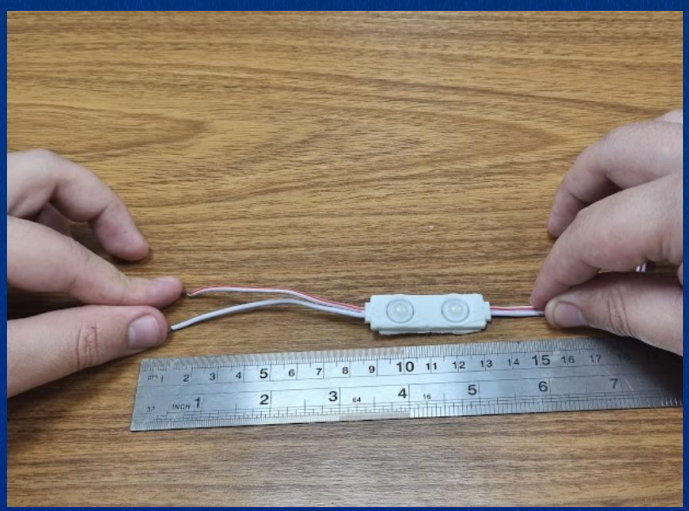
Instructions:

- 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.



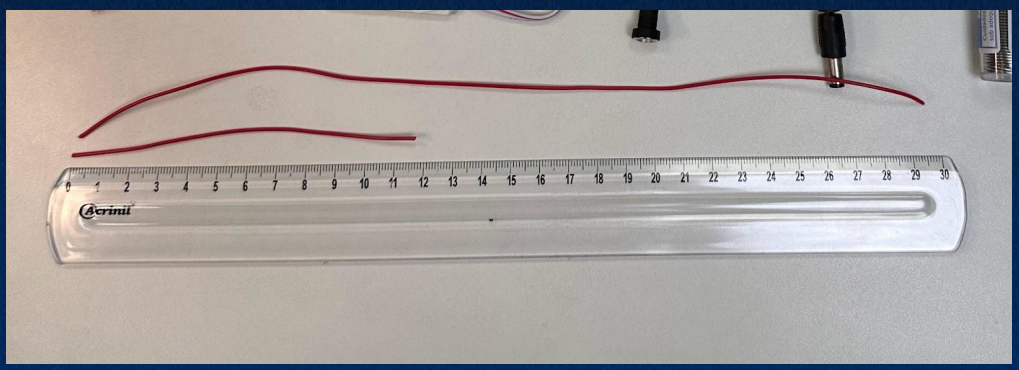


Wall Light DC Powered 12V Plug

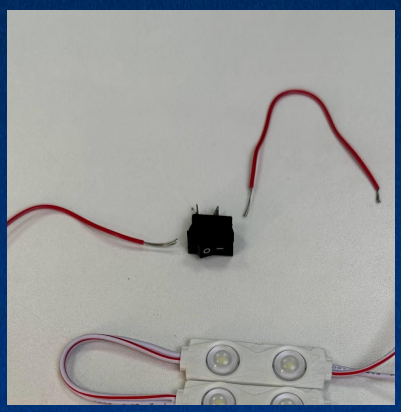
3D MODEL DESCRIPTION

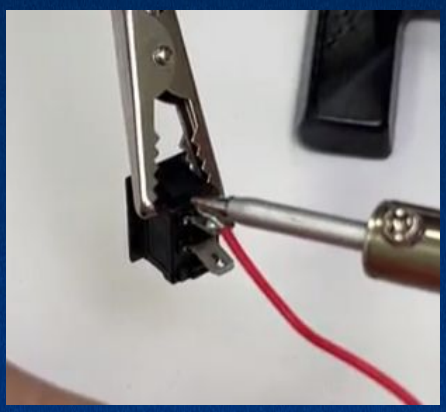
Instructions:

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

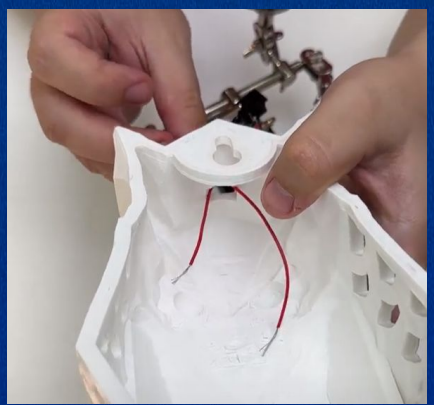


- Use solder to attach the **positive** stripped wire end to the “I” (on) pin on the on-off switch.
- Now use solder to attach the **negative** stripped wire end to the “0” (off) pin on the on-off switch.



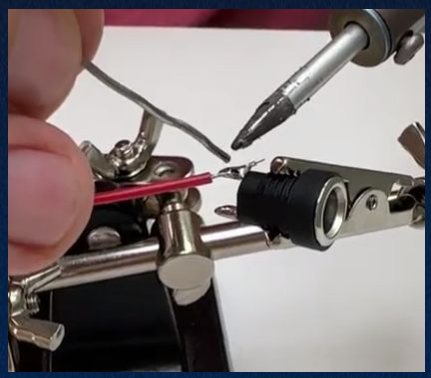


- place the wires through the hole and pass the negative wire through the hole for the DC power jack female.

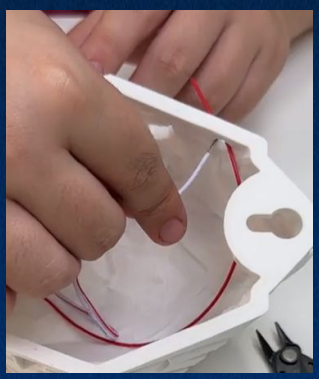


Wall Light DC Powered 12V Plug

- 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.

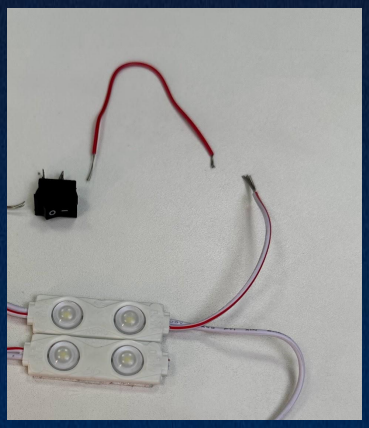


- Fit the DC Power Jack female to the printed model

STLFLIX

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**!