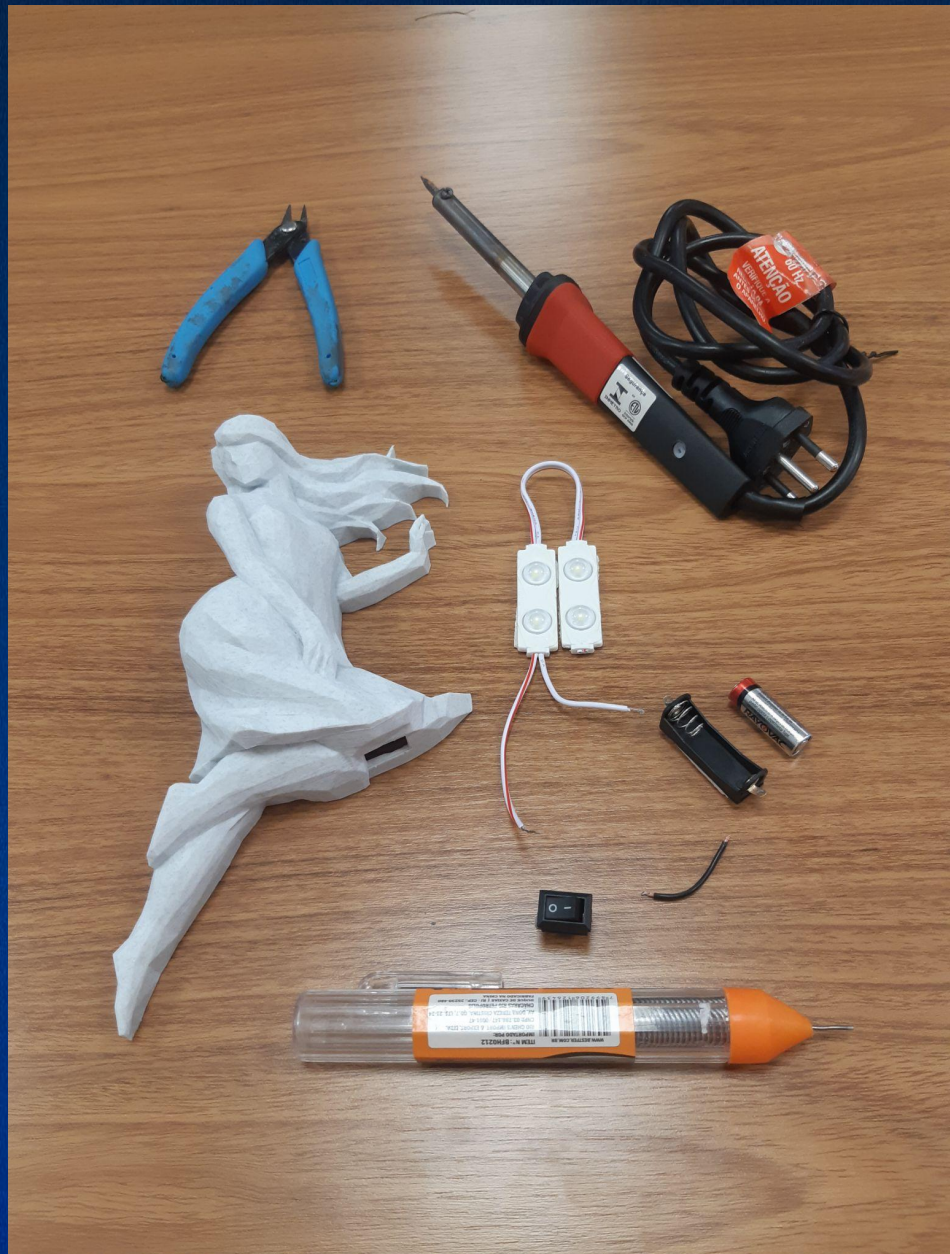# Dream Fairy Wall Light

3D MODEL DESCRIPTION

She's going to guide you to the sweet dreams land. Don't resist.

Your Dream Fairy 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)

Dream Fairy 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
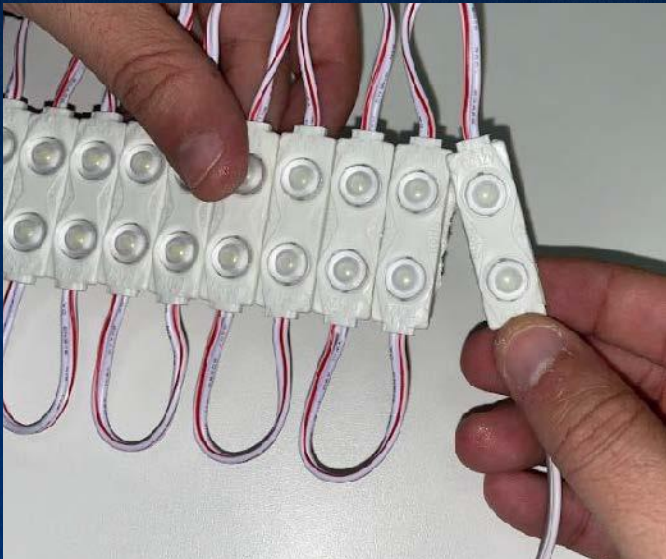
LED Module

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

Dream Fairy Wall Light

3D MODEL DESCRIPTION

Instructions:

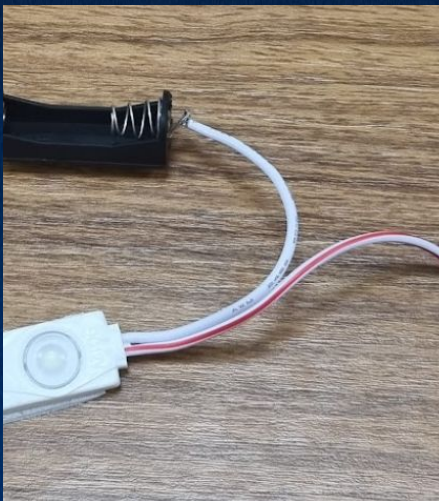- Separate two LED modules from the rest. Do not cut the wires between these two modules.

- On the end of one module, separate the two wires (the white and the red) from one another. Cut the red wire at a length of 9cm and the white one at a length of 6cm. Strip the ends of both wires in about 1cm.
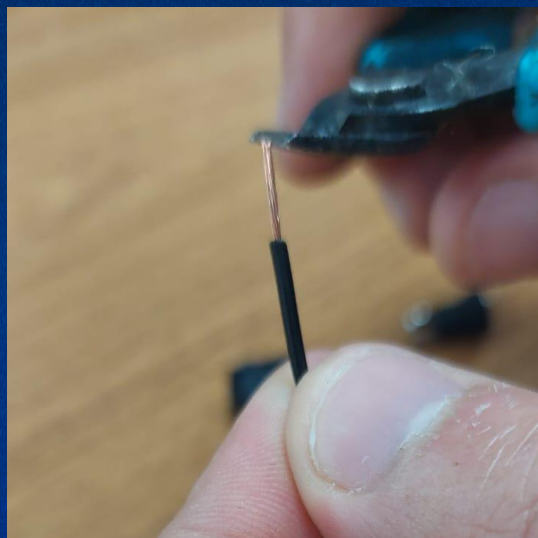
Help Center

Dream Fairy 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.)
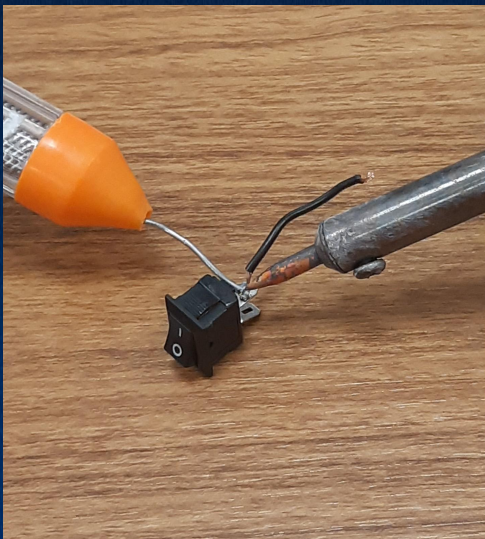

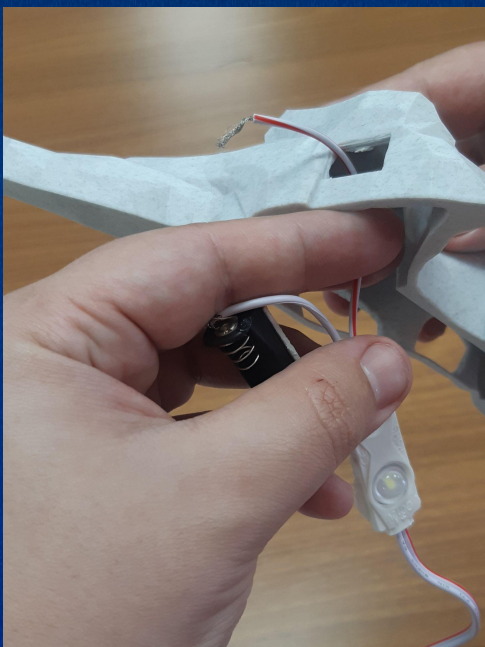- Cut a separate piece of electric wire of 5cm and strip the ends in about 10mm

Dream Fairy Wall Light

3D MODEL DESCRIPTION

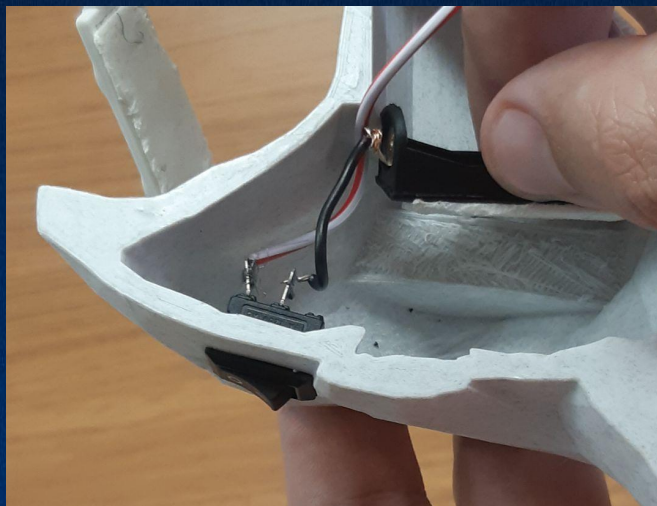- Solder one of its ends to the on-off switch aligned to the "I" (on)

- Thread the red wire through the rectangle hole on the Dream Fairy, then solder its end to the "o" (off) pin on the on-off switch.

Dream Fairy Wall Light

3D MODEL DESCRIPTION

- Fit the switch on the rectangle slot made for it, then solder the wire connected to the "I" (on) pin on the on-off switch to the positive side of the battery holder.
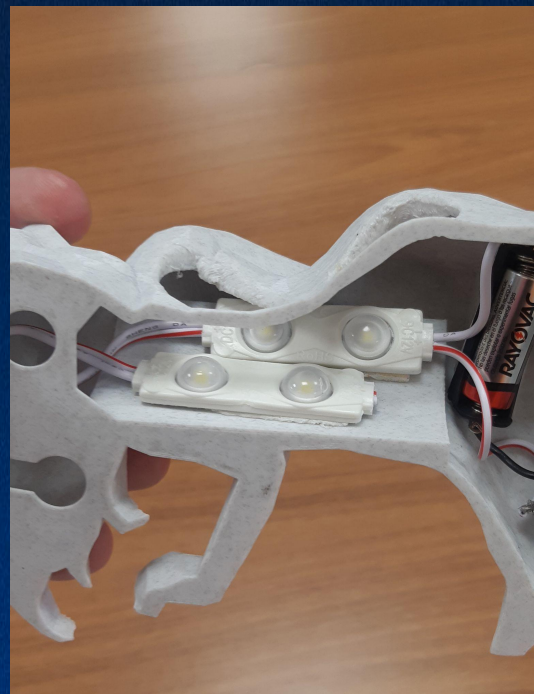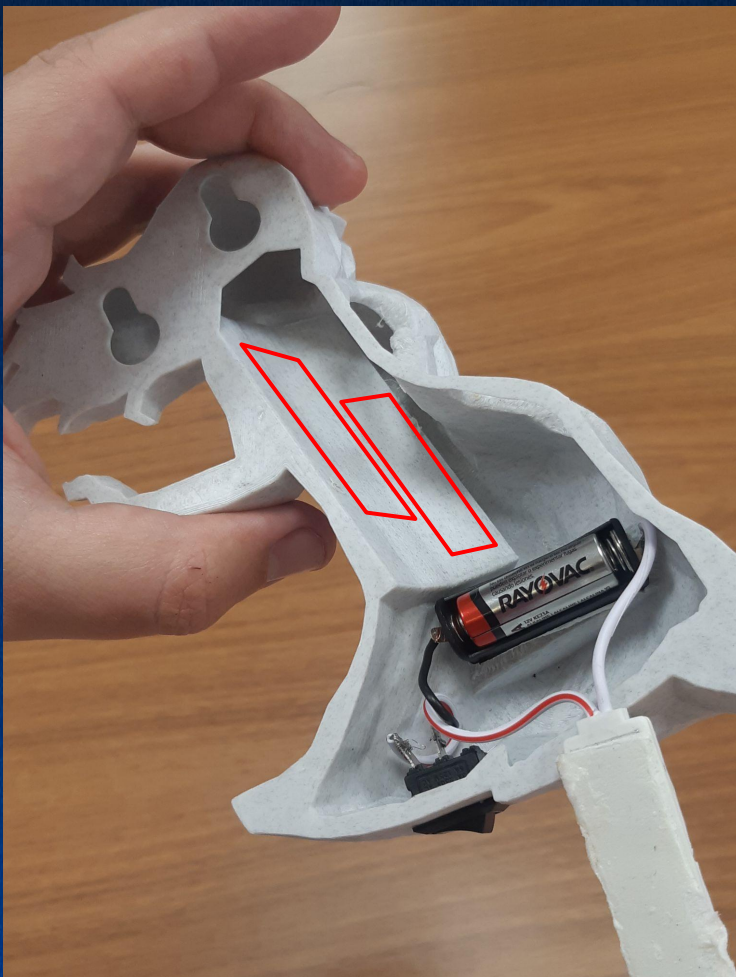

- Use double sided tape to glue the battery holder in place inside the Dream Fairy according to the picture.

Dream Fairy Wall Light

3D MODEL DESCRIPTION

- Using their own double sided tape, glue the two LED modules on the inside of the Dream Fairy according to the picture.

- Your Fairy is ready to shine!

STLFLIX

Dream Fairy Wall Light

3D MODEL DESCRIPTION

- This STL file is recommended for FDM Printers!
- 3D Printing Time: 09 Hours 13 Minutes
- Approximately Height : 20 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
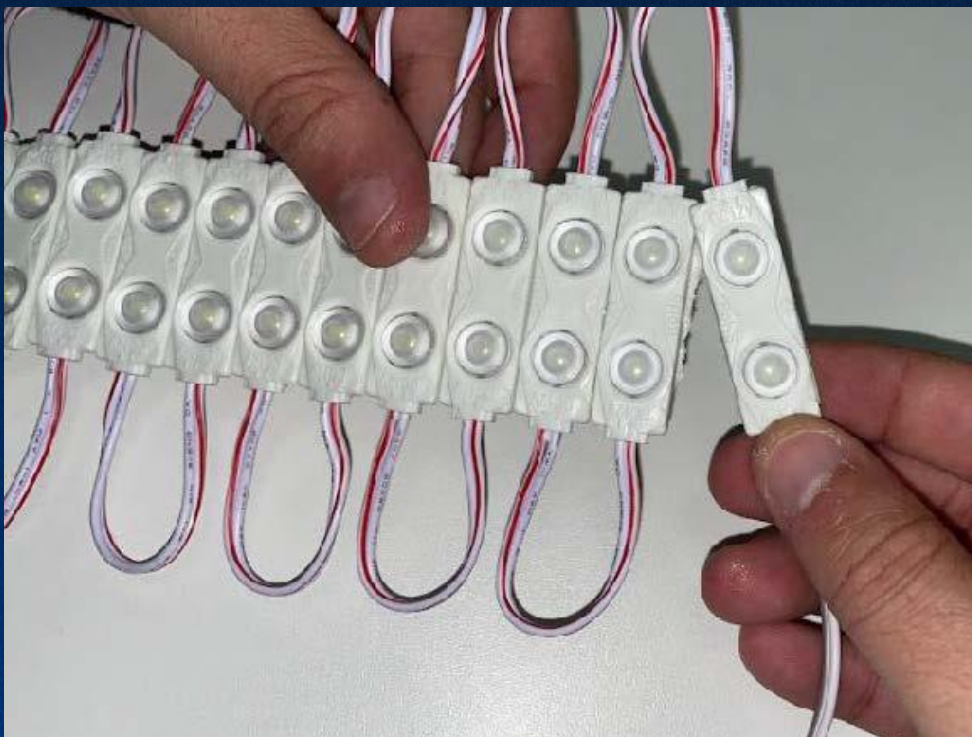
LED Module

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

Help Center

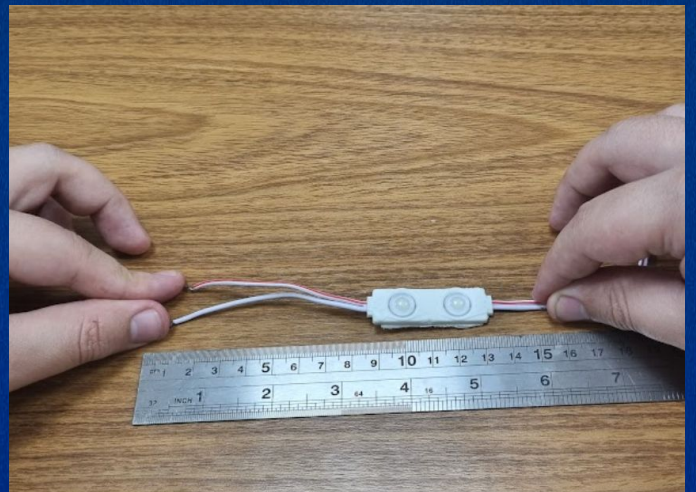# Wall Light DC Powered 12V Plug

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.
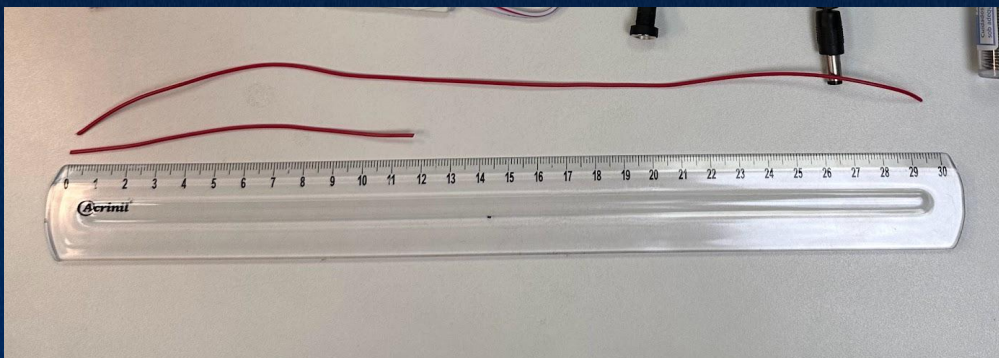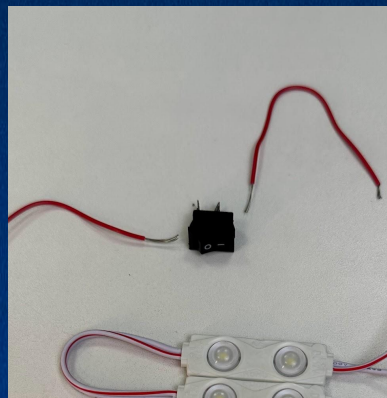
Wall Light DC Powered 12V Plug

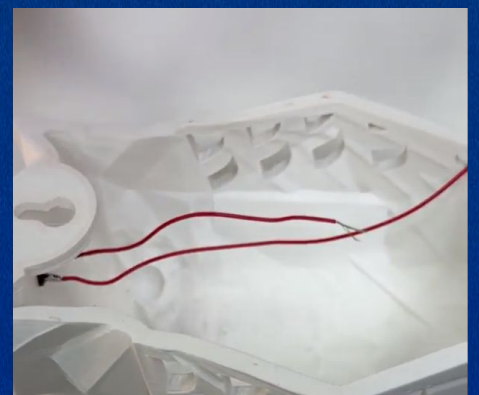## 3D MODEL DESCRIPTION

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.
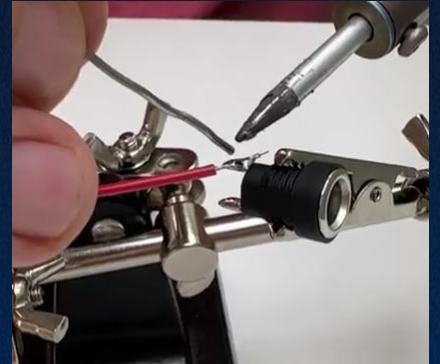

- place the wires through the hole and pass the negative wire through the hole for the DC power jack female.
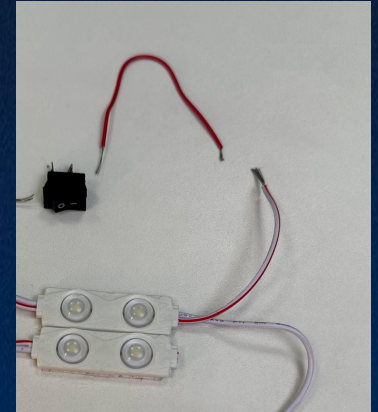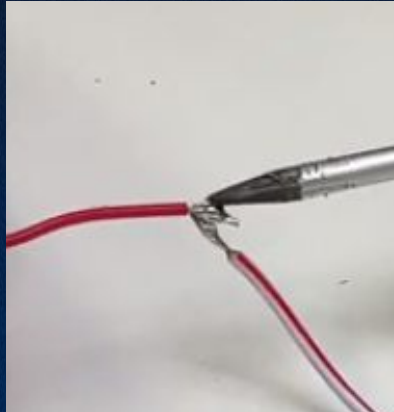
Wall Light DC Powered 12V Plug

- 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

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**!

Help Center