



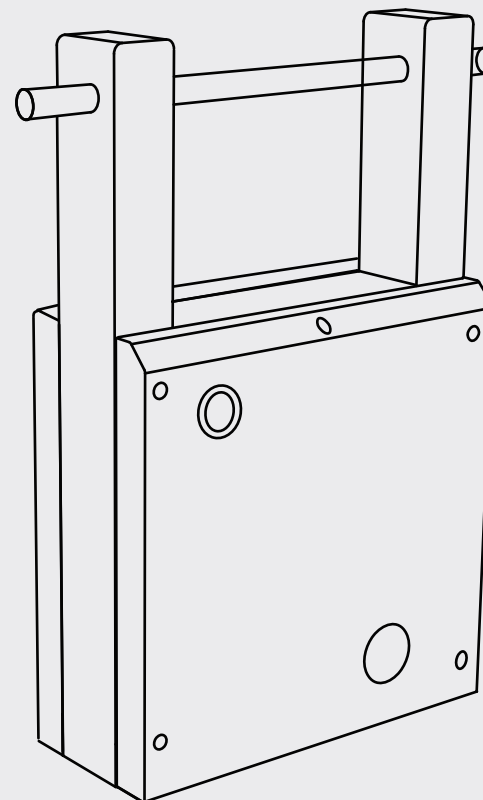
OpenDesign

TIZI

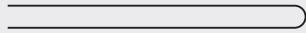
designer CHENGUOCHANG
product PORTABLE LAMP

update 2016/11/26

Guangdong University of Technology
Opendedesign Workshop

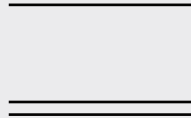


MATERIALS



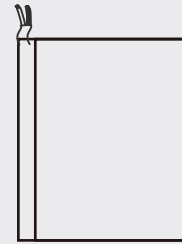
Bamboo stick

Φ5mm*30 mm
1 pieces



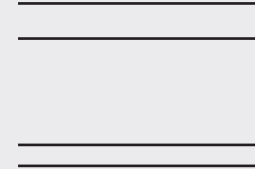
Plybamboo

110*110*10mm



Battery

12v



Plastic plates

60*25*170mm



LED Strip

4mm*1piece
12V , hard



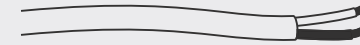
Wire

Plastic-coverd
Φ1.5*6000mm



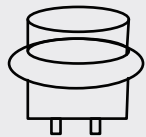
Magnet

Φ10*3mm
8pieces

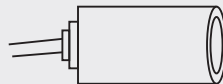


Cable

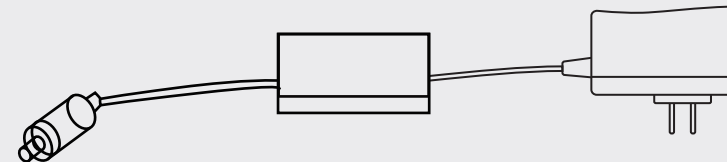
>5000mm 2A
transparent



switch



Plug

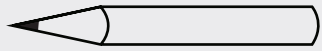


Transformer

from 220V to 12V



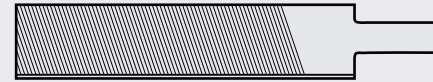
TOOLS



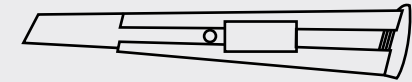
Pencil



Ruler



File



Knife



Saw



Ax



502glue



Sandpaper
180/320/500



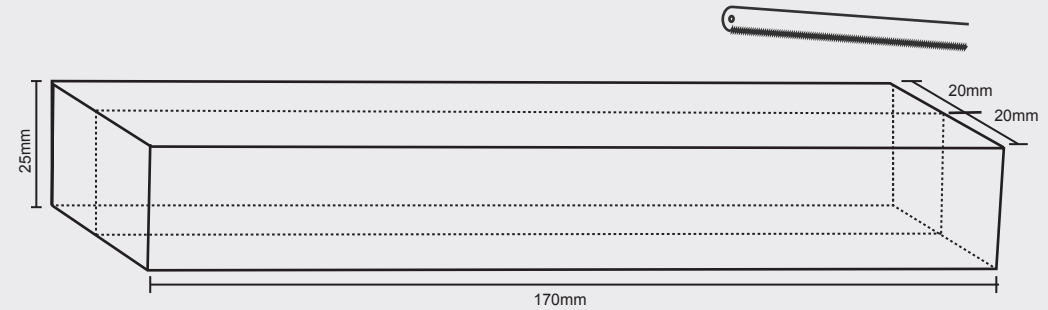
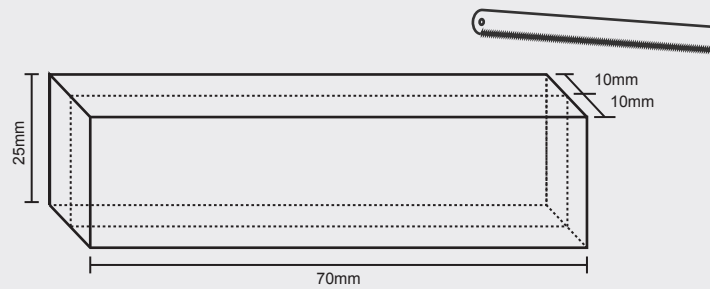
Electric iron
& Tin solder



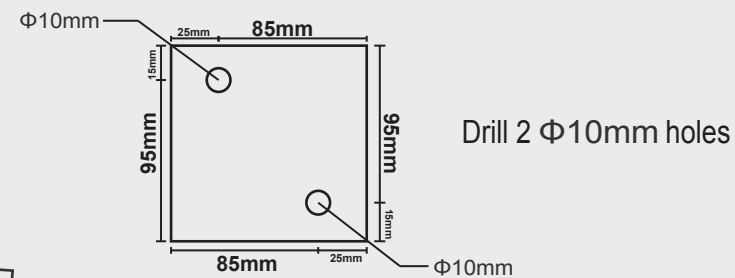
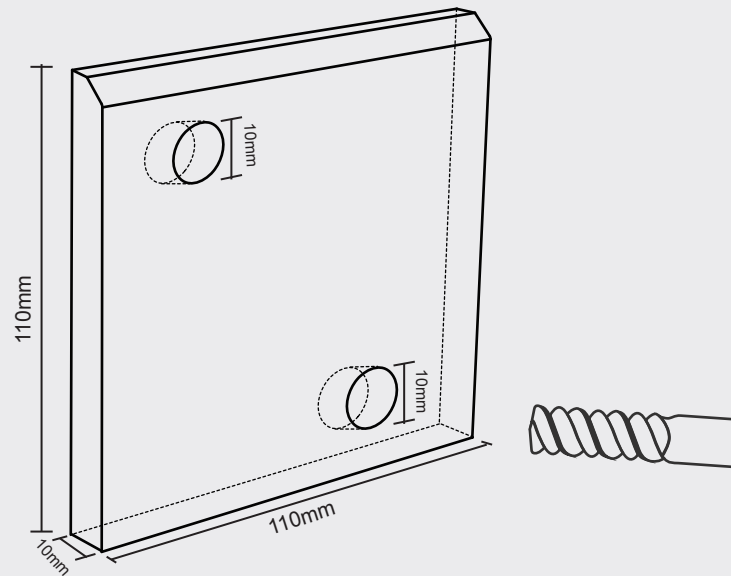
Electrodrill
 $\Phi 8 \sim 10 \text{mm}$



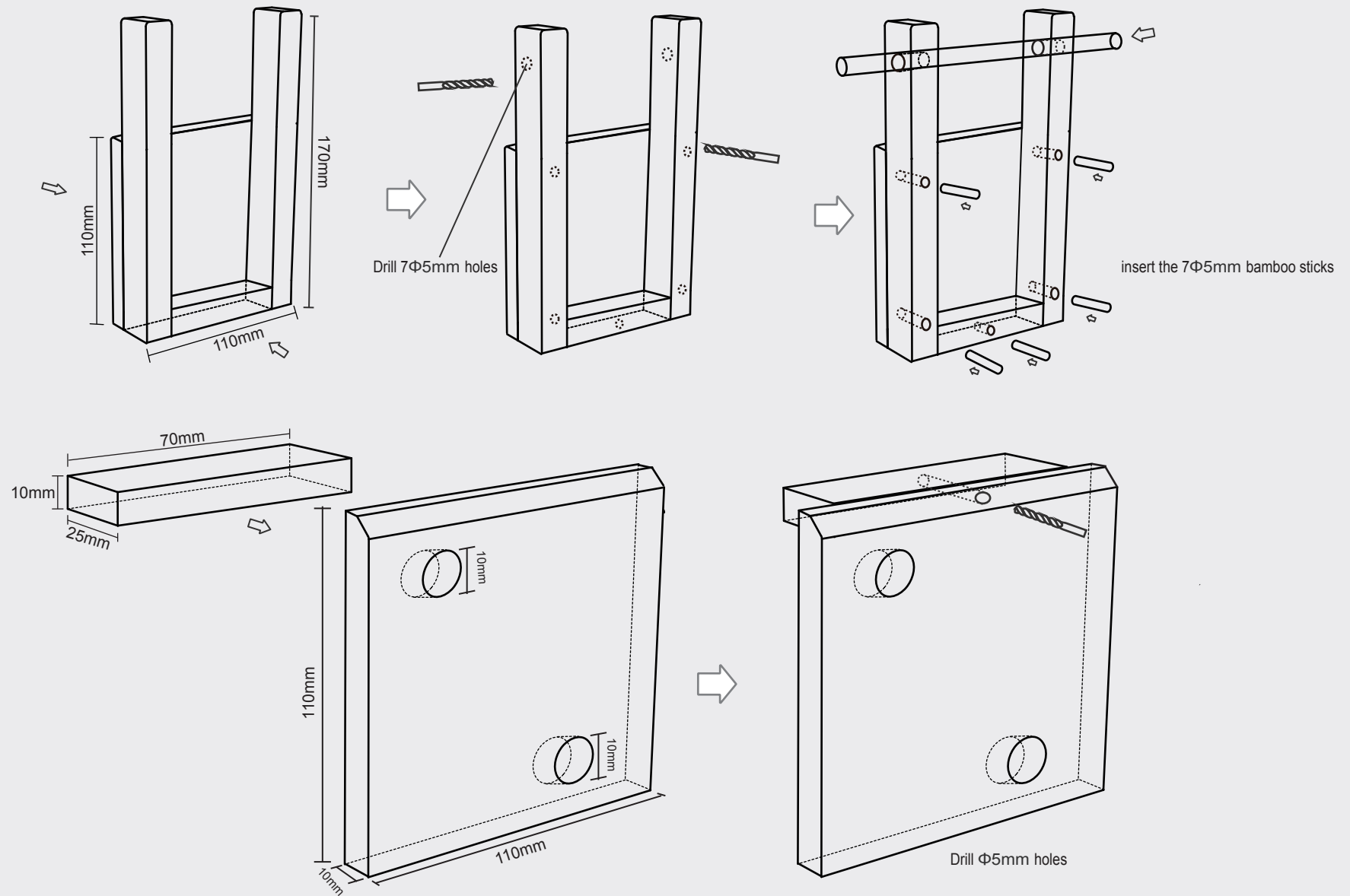
MANUFACTURE



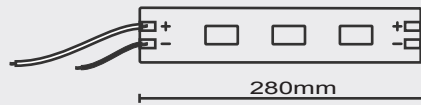
cut the plastic plates into a half with a saw



MANUFACTURE

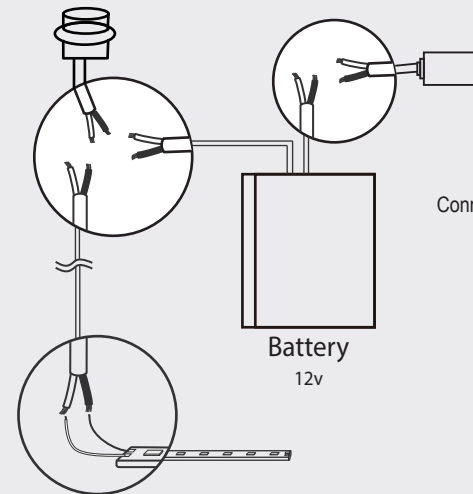


MANUFACTURE

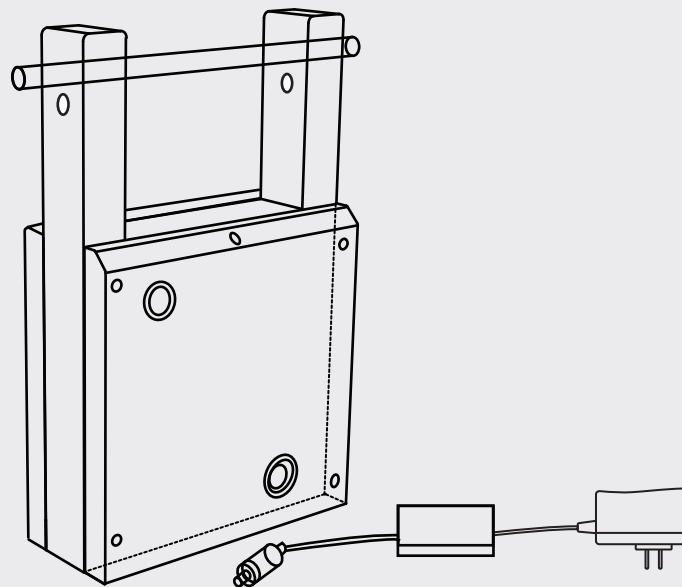


weld the LED strip

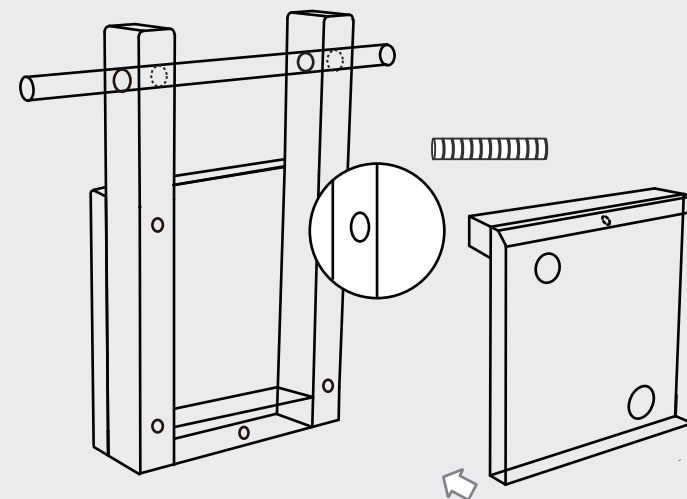
BE CAREFUL!!!
DO NOT HEAT YOURSELF BY
THE ELECTRIC IRON



Connect the cable, switch, battery and the LED strip



TIZI COMPLETED



Install the magnets into the holes

