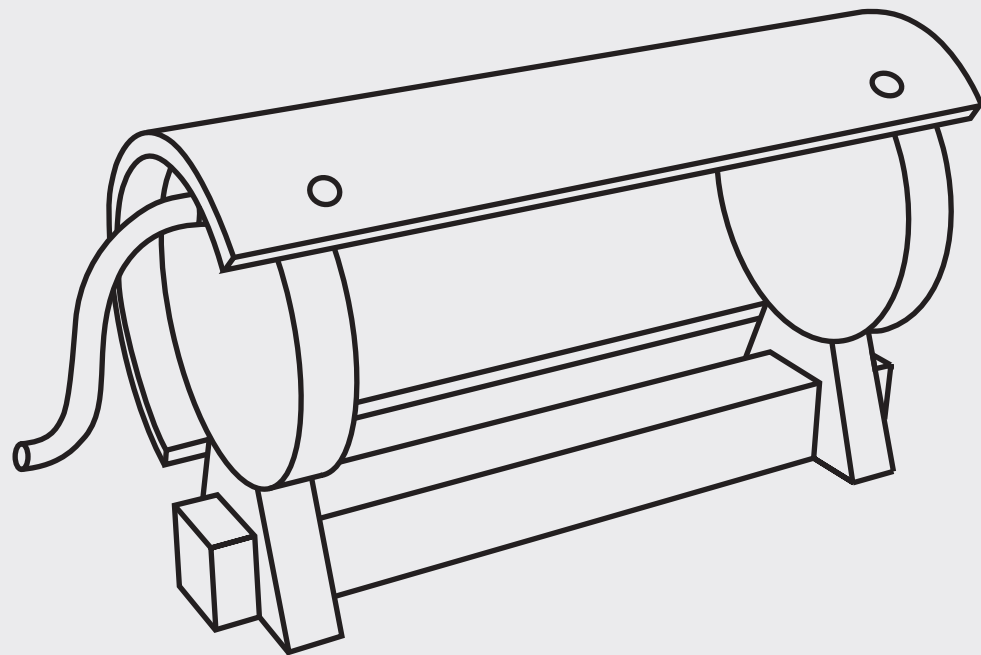


OpenDesign

Spit Light

designer
product

CHEN XIAOFANG
desk lamp



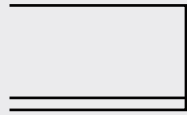
update 2016/11/26

Guangdong University of Technology
Opendedesign Workshop

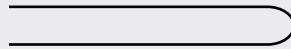
MATERIALS



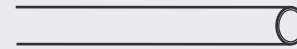
Bamboo
Φ85mm



Plybamboo
12 、 20mm



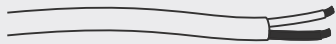
Bamboo stick
Φ6mm



Translucide Plastic pipe
Φ6mm



LED Strip
4mm 12v hard



Cable
>5000mm 2A



Transformer
from 220V to 12V

TOOLS



Pencil



Compasses



Knife



Ax



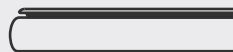
Hammer



File



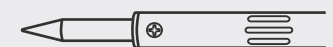
Saw



Sandpaper
180/320/500



drill
Φ6mm

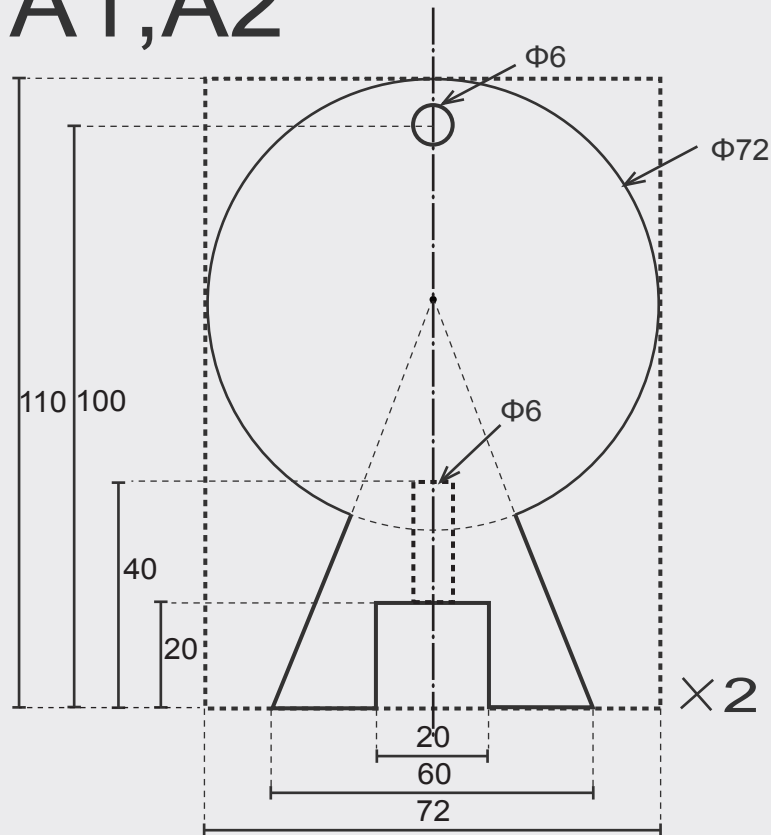


Electric iron
& Tin solder



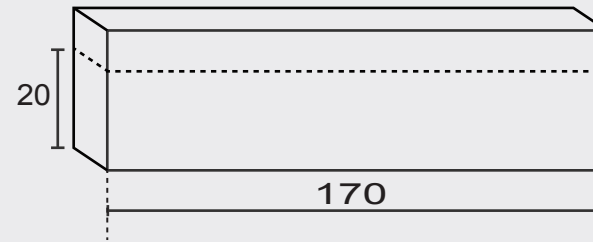
MANUFACTURE

A1,A2

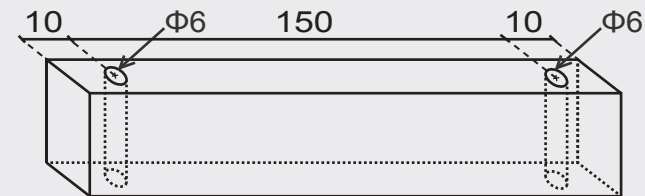


plybamboo 12mm
cut and polish

B



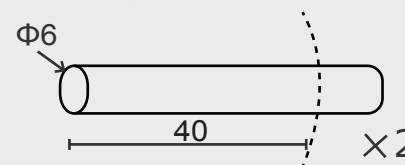
plybamboo 20mm
cut and polish



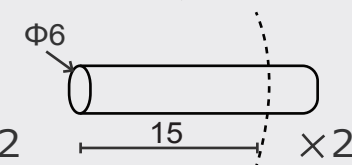
drill two holes



C1,C2



D1,D2

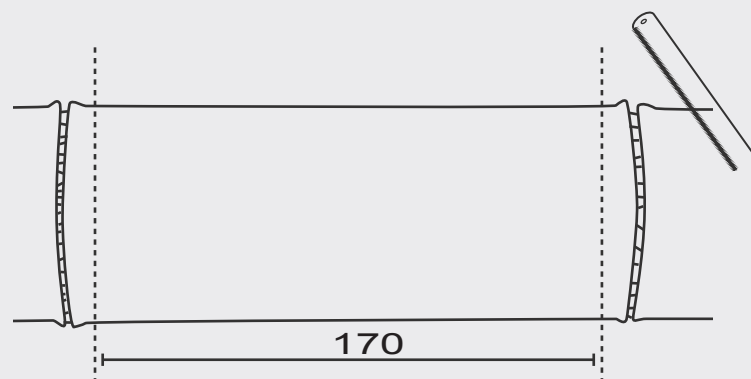


cut bamboo stick ,
and polish both ends

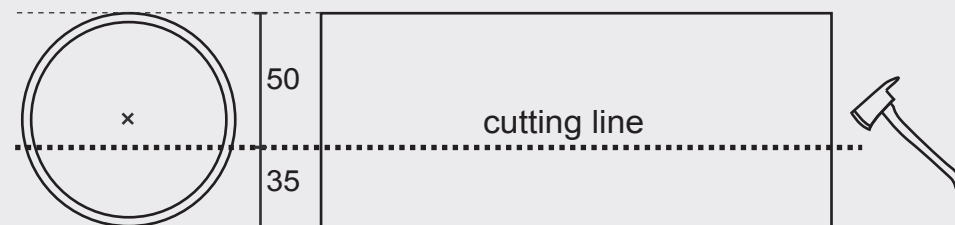


MANUFACTURE

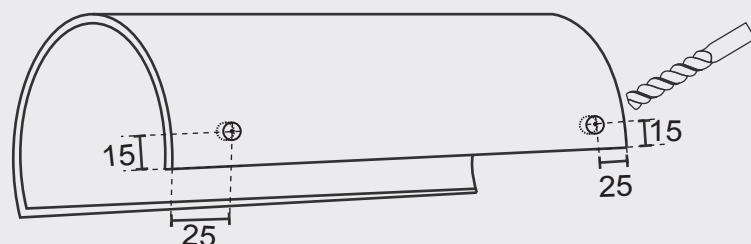
E



cut bamboo $\Phi 85$

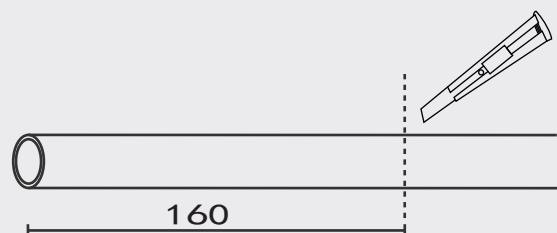


cut bamboo and polish



drill two holes $\Phi 6$

F



cut the transluce plastic pipe $\Phi 6$

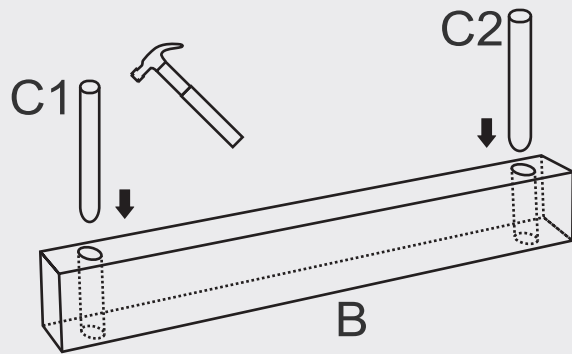


plug one end of plastic pipe
with a small bamboo stick

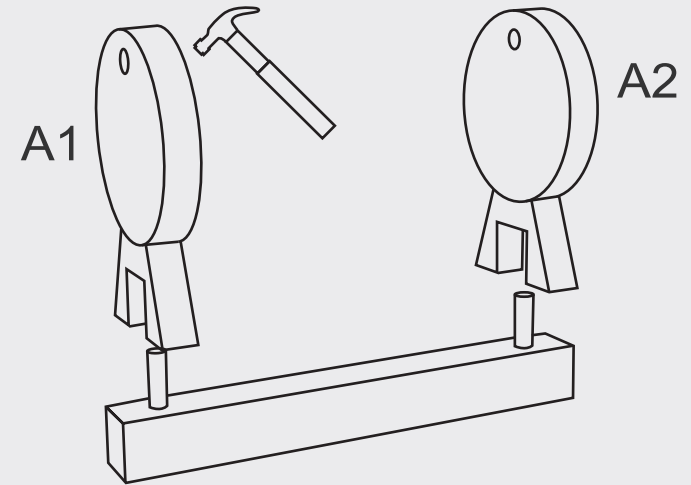


MANUFACTURE

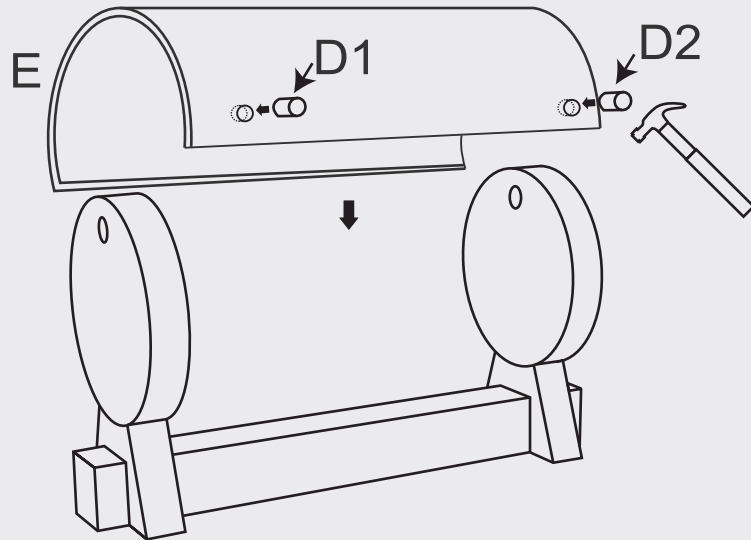
length unit : mm



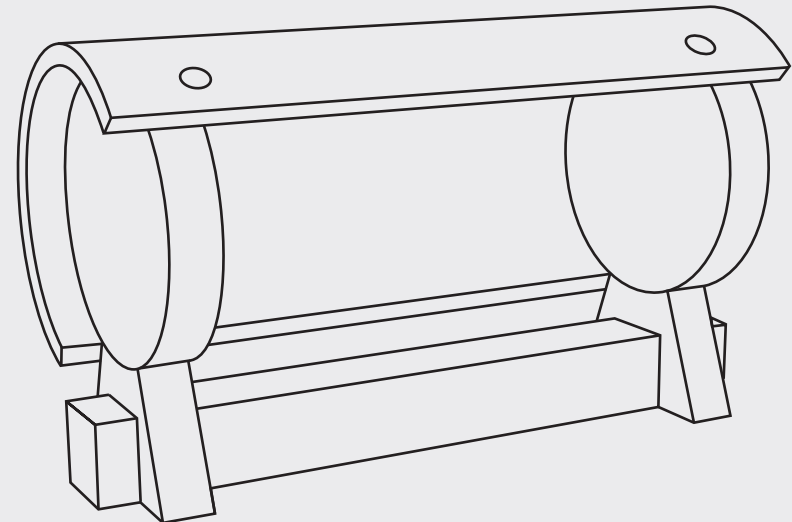
insert the bamboo sticks($\Phi 6$)
into the plybamboo



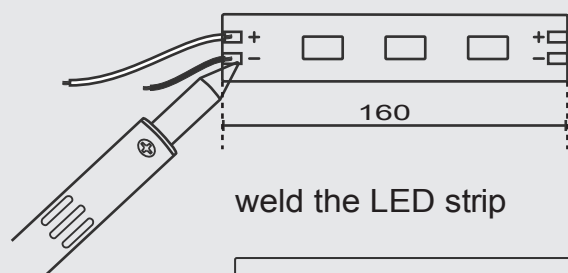
make them smooth,
before assembling them



assembly them

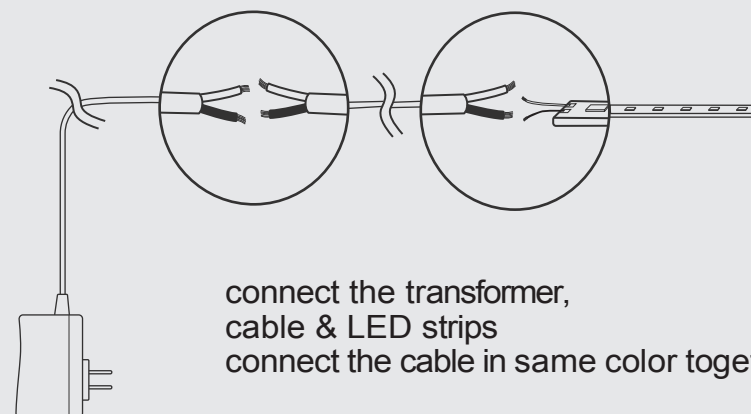


MANUFACTURE

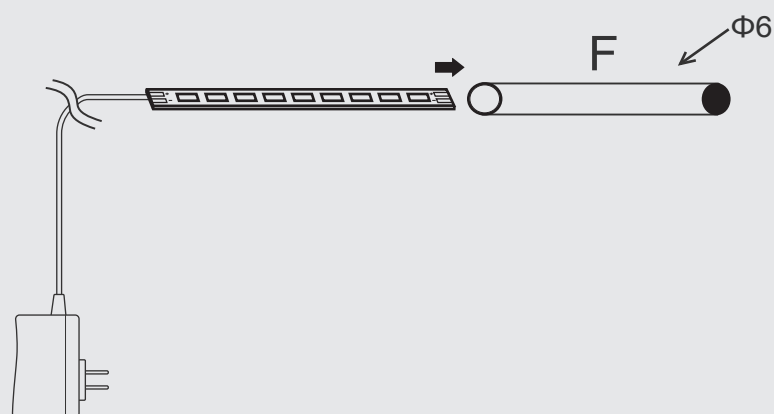


weld the LED strip

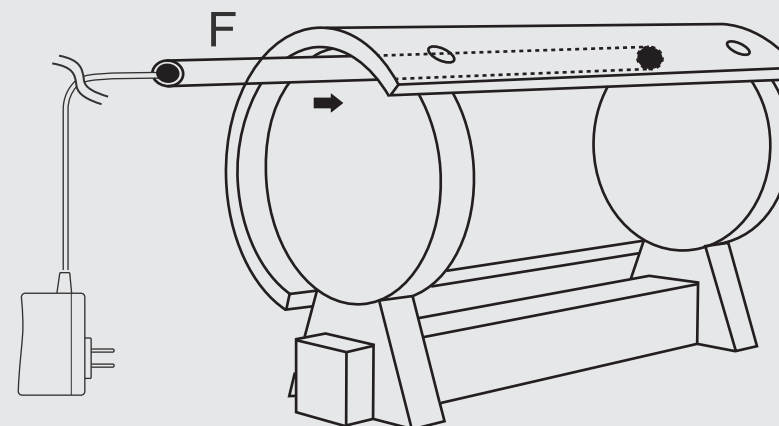
BE CAREFUL!!!
DO NOT HEAT YOURSELF
BY THE ELECTRIC IRON



connect the transformer,
cable & LED strips
connect the cable in same color together



insert the LED strip ($\Phi 4$)
into the plastic pipe



LED install completed

