

HOGWARTS™ GREAT HALL #75954 Advanced Version

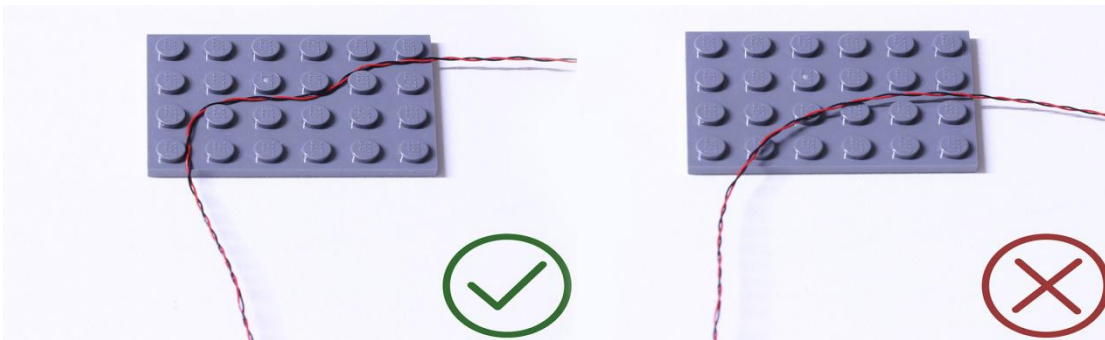
Package contents:

- 1 X 6-Port Expansion Board
- 1 X 12-Port Expansion Board
- 1 X USB Power Cable
- 9 X White 15cm Dot Lights
- 1 X Blue 15cm Dot Lights
- 1 X Pink 30cm Dot Lights
- 1 X Multi Colour 30cm Changing Dot Lights
- 3 X White Strip Lights
- 3 X 30cm Connecting Cables
- 1 X 15cm Connecting Cables
- 2 X 5cm Connecting Cables
- 1 X Flicker Effects Board
- 1 X Multi Colour Strip Light
- Several LEGO pieces

Note:

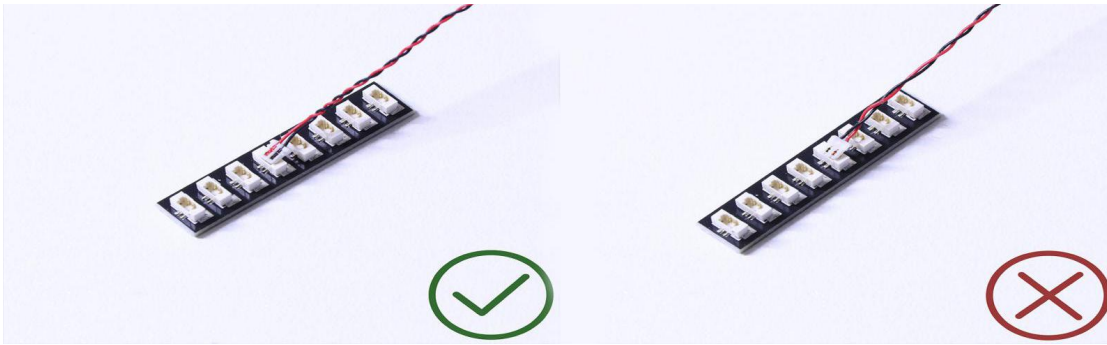
Place wires on the surface or under the LEGO building blocks.

The wire can be place between the building blocks or under the block, but they should be placed between the studs correctly.

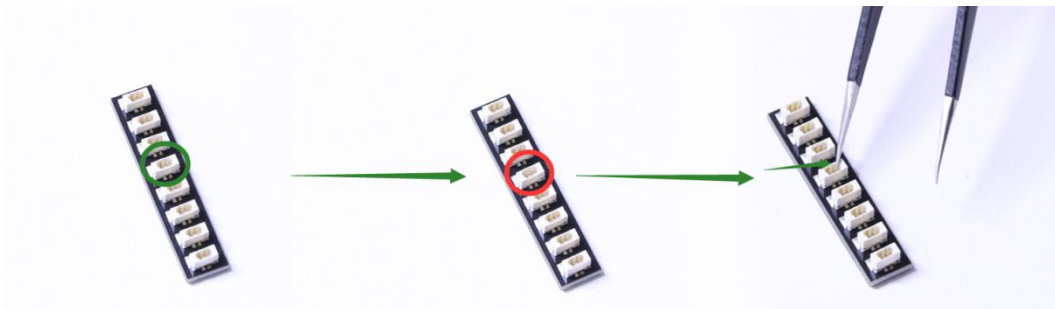


Insert the connectors to the ports.

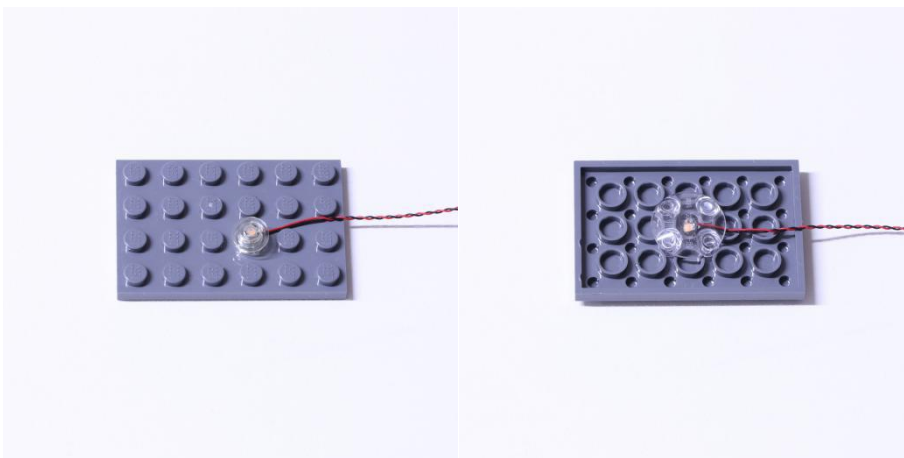
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop, and don't force it, for that may result in bent pins inside the port or overheating of the expansion board.



At this point, use the tweezers to straighten the bent pins.

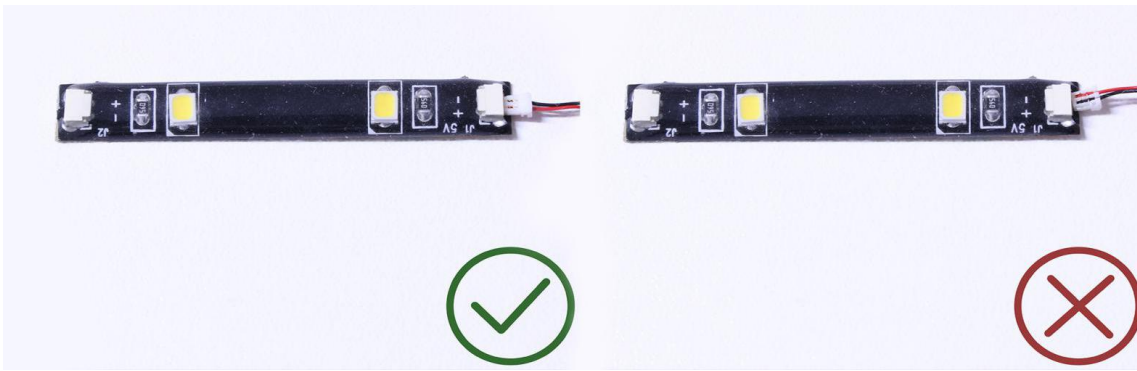


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

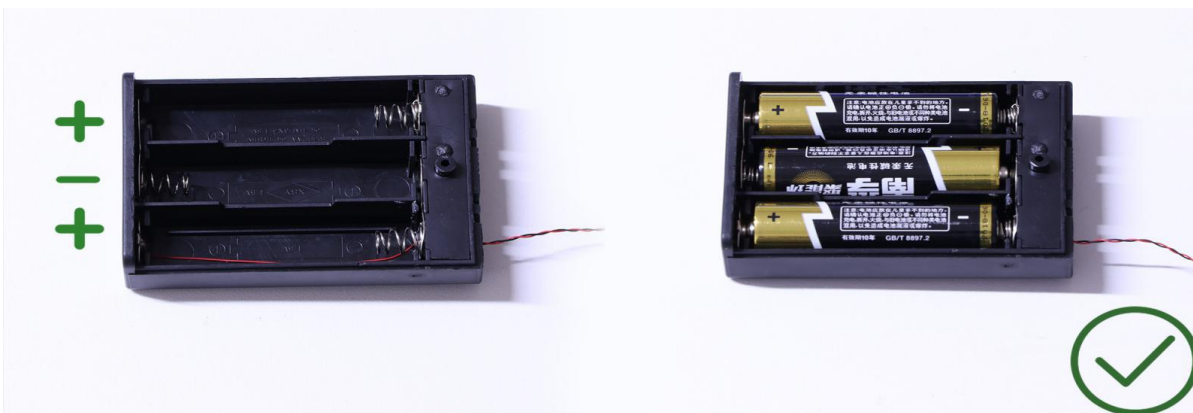


Connecting cable connectors to Strip Lights

Take extra care when inserting connectors to ports on the Strip Lights. Connectors can be inserted only one way. With the Strip Light facing up, ensure the side of the connector with the wires exposed is facing down. If a plug won't fit easily into a port connector, don't force it. Doing so will damage the plug and the connector.



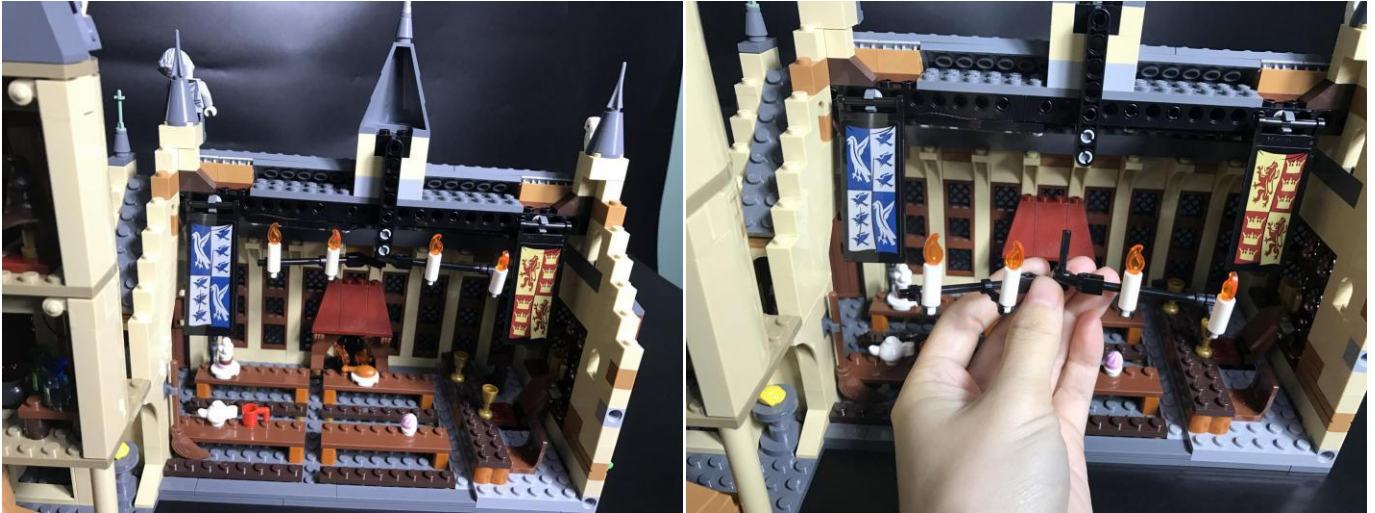
Finally, please pay attention to the positive and negative terminals of the battery when installing the battery case.



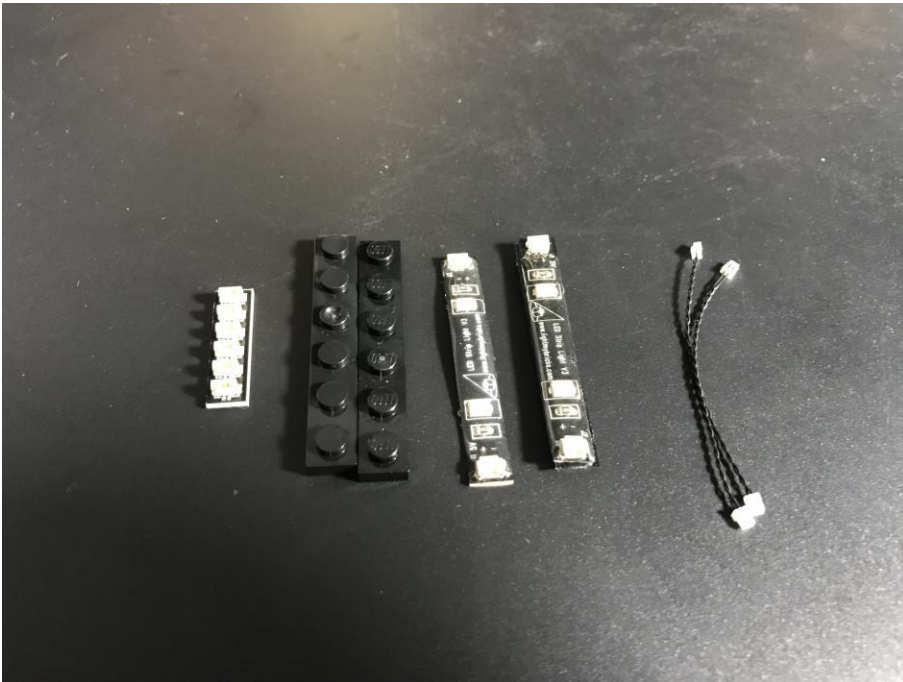
OK, Let's Begin!

Instructions for installing this kit

Start from installing the lights inside the house. Remove the chandelier first.



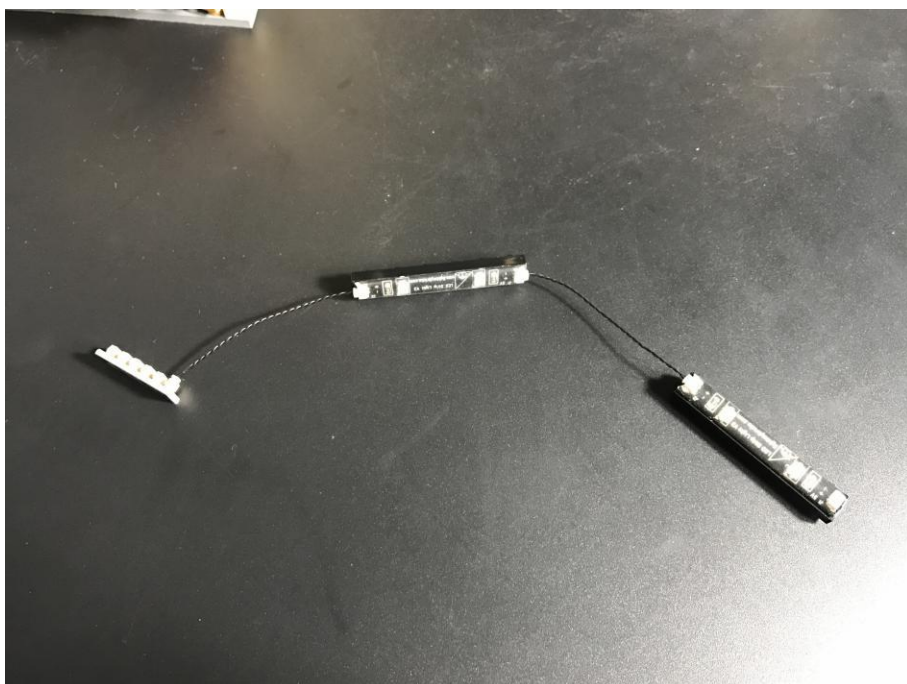
Take two white strip lights, two 1x6 black base plates, two 5cm connecting cables, and a 6-port expansion board.



Uncover the adhesive at the back of the strips and stick them to the base plates.

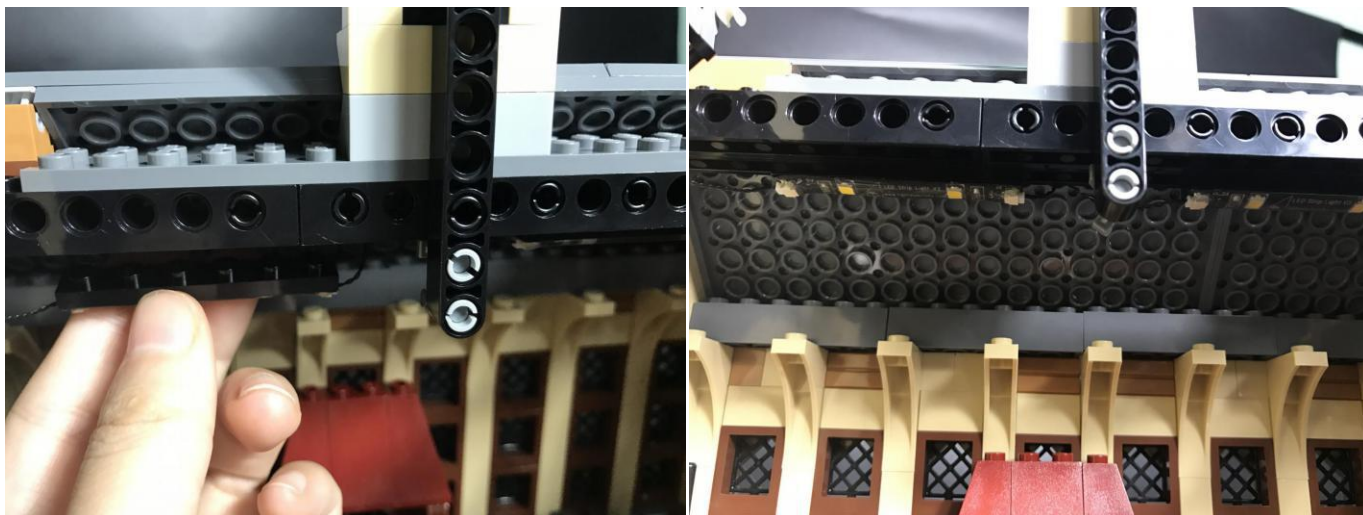


Connect the strips to the connecting cables as per below.



Place the two strips under the black beams of the roof one by one, ensure the side which is supposed to insert to the expansion board is facing to the left.





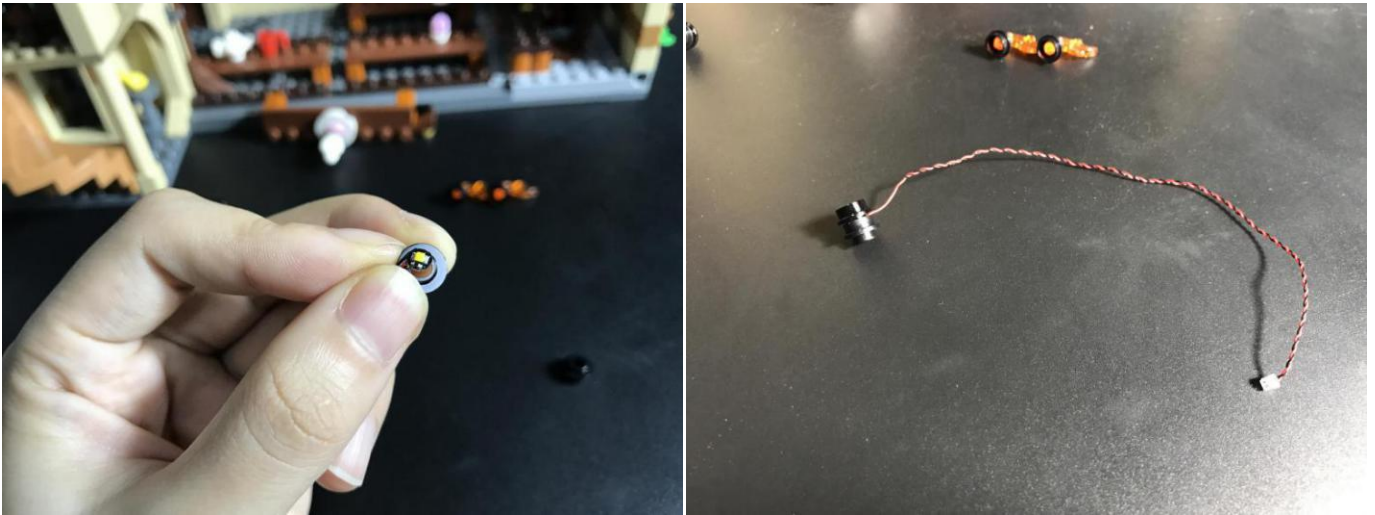
Then, go on to install the flame lamp inside the fireplace, take two 'flame' bricks.



Take a 15cm white dot light, two black round plates with holes.



Place the LED component in between the two black round plates.



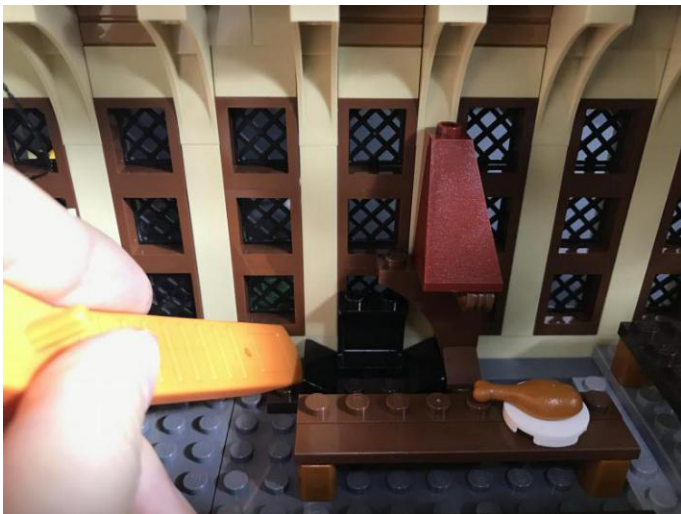
Then, place the ‘flame’ brick over it, ensure the LED component is facing to the ‘flame’ .



Repeat the steps above to install another ‘flame’ , then, twist the two cables into one.



Remove the LEGO bricks at the left of the fireplace as per below.



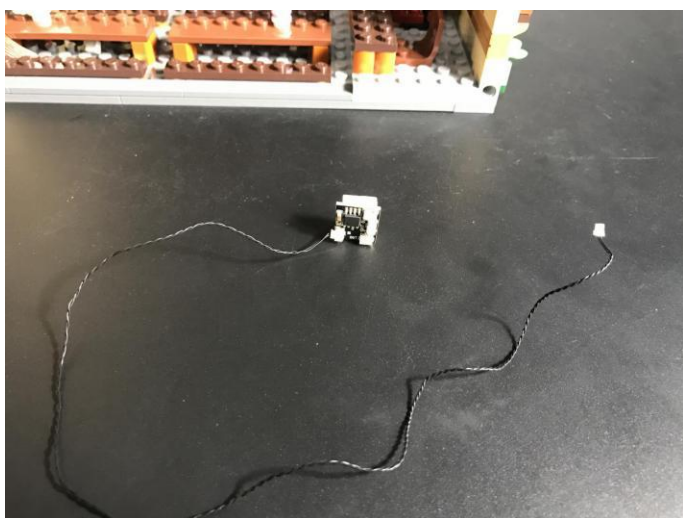
Install the flame lamp, leave the cable along the wall, facing to the left.



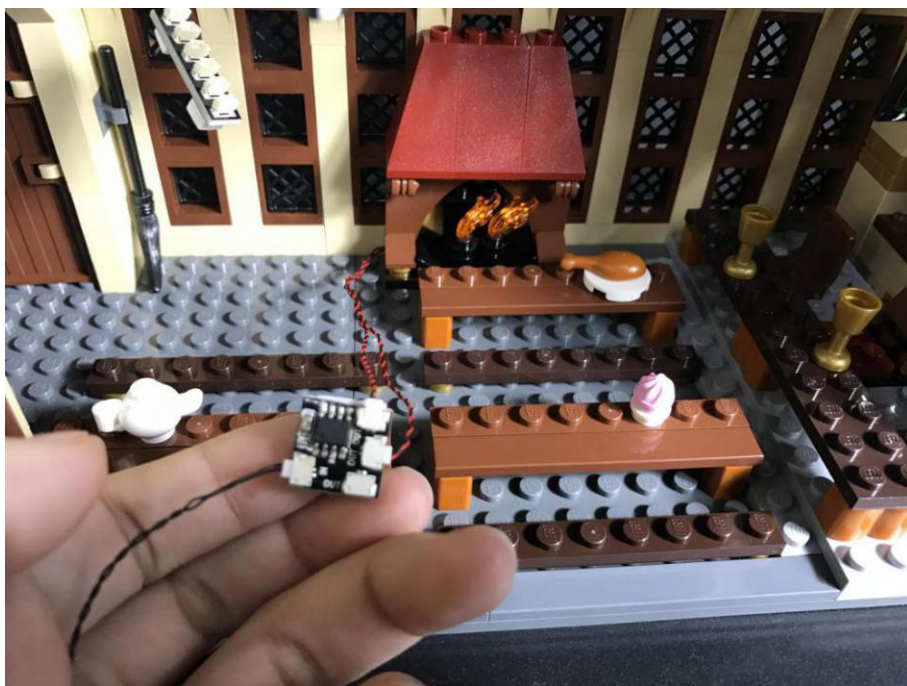
Reconnect bricks disassembled before, press the cables at the corner.



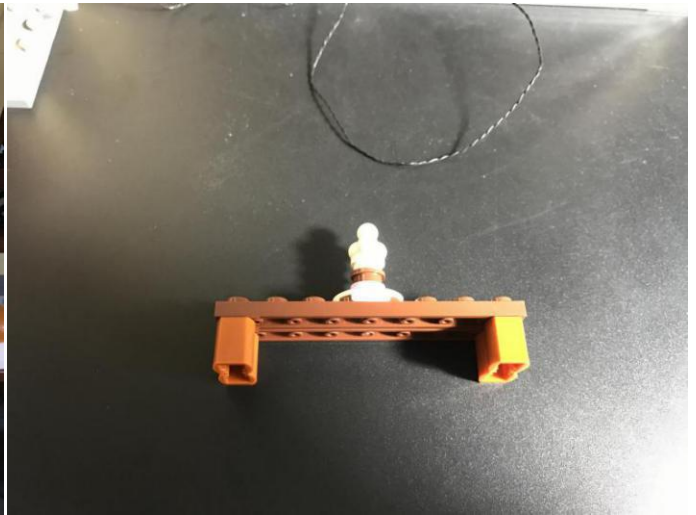
Take the Flicker Effects Board , stick the adhesive at both sides, connect its outlet port to the 30cm cable.



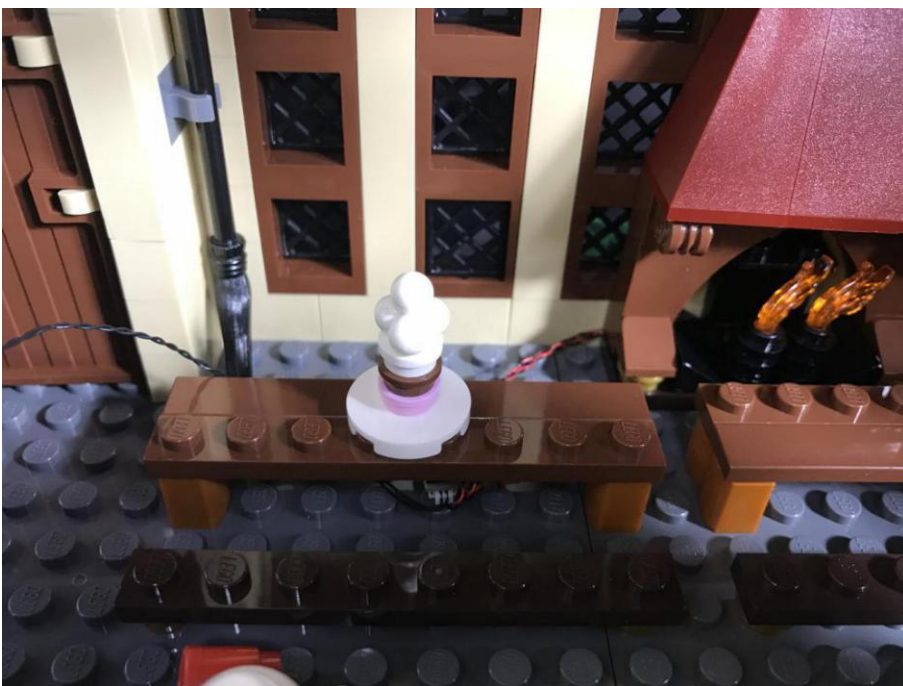
Insert the cables of the lights into the ports on the brick.



Remove the table at the left.



Tuck the cables on the brick, stick it underneath the table, place the table back, pull the 30cm cable to the corner.



Take the broom at the corner of the wall, secure the 30cm cable at the back of the broom, put the broom back.



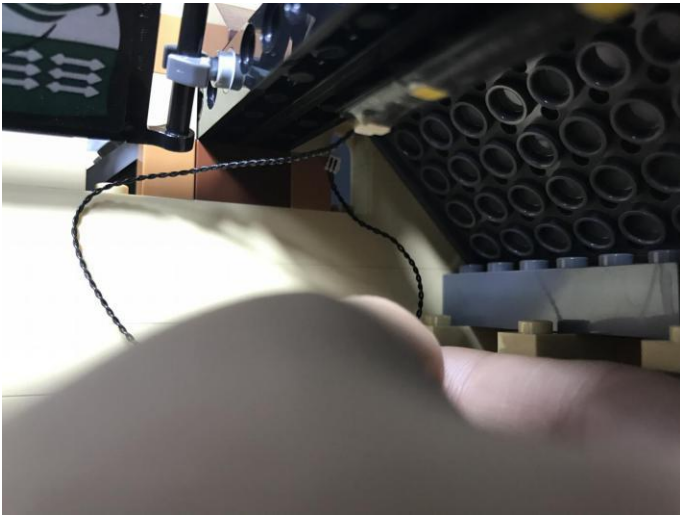
Then, fix the cable at the gap as per below, connect it to the available port on the expansion.



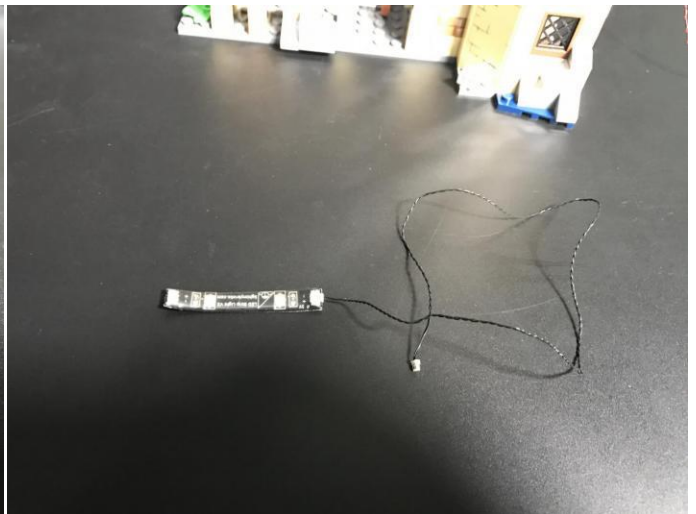
Now, you can turn on the power to check if the lights work .



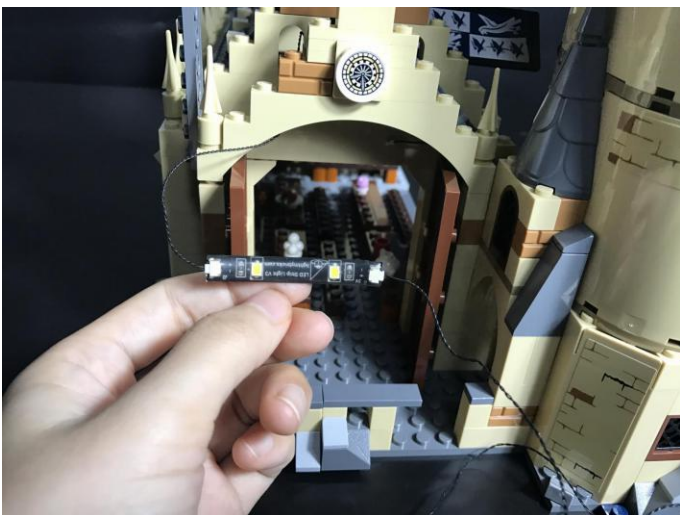
Take a 15cm connecting cable, insert one port to the expansion board, thread the other port up to the hole at the left of the roof, pull it out from the gate.



Take a white strip light, a 30cm connecting cable, connect them as per below.



Stick the white strip light to the roof above the gate, leave the cable facing to the right.



Turn to the front side of the gate, remove the two towers above.

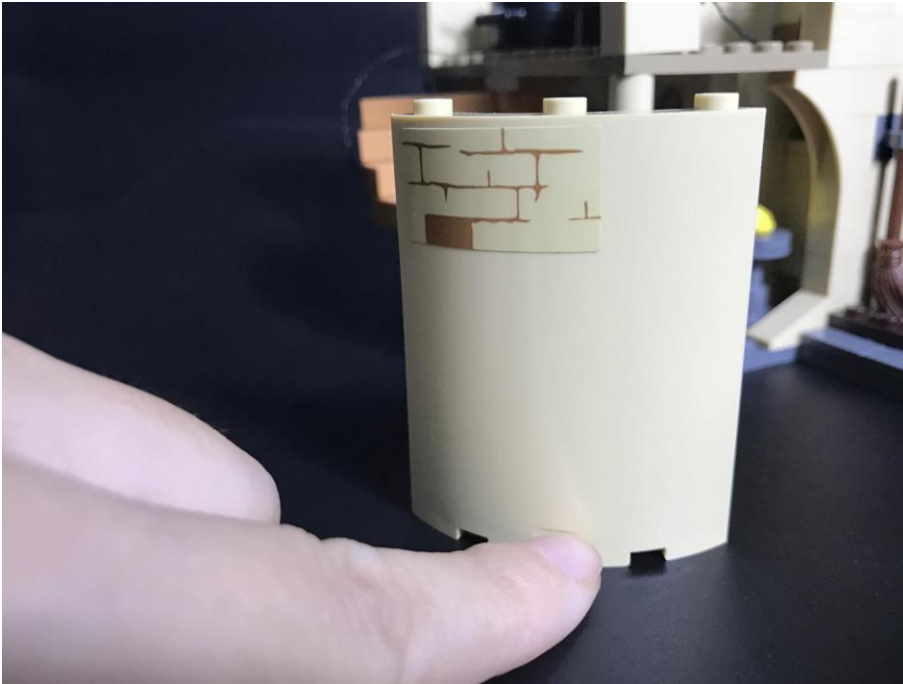


Pull the 30cm cable out from the window right next to the gate.



Remove the following wall bricks of the tower, press the 30cm cable in the grooves under the wall bricks .

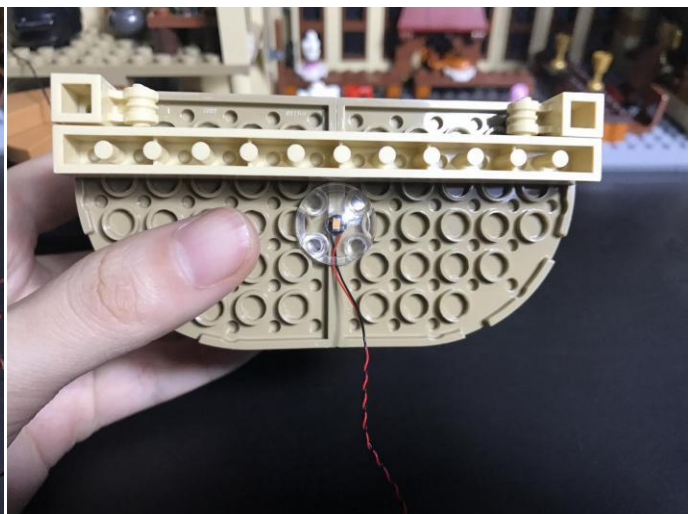
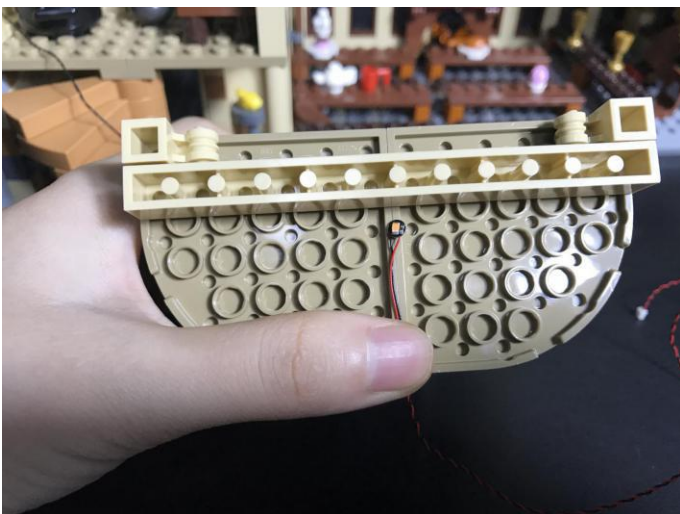




Then, continue to install lights underneath the tower removed before. Take a 30cm pink dot light, a 2x2 trans dome plate



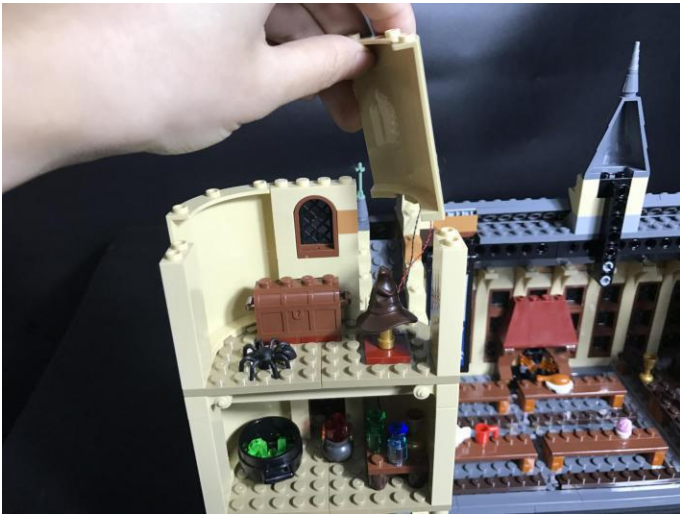
Ensure the LED component facing up, secure it in place by using the trans dome plate.



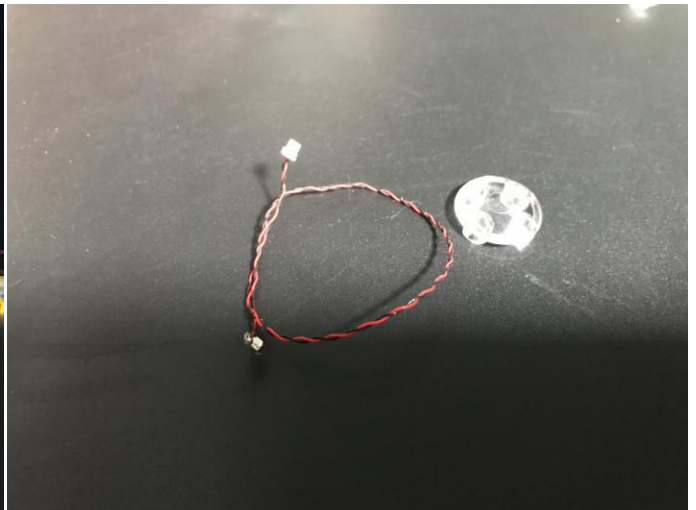
After place the 30cm cable and the cable of the pink light at the grooves underneath the wall, reconnect the tower.



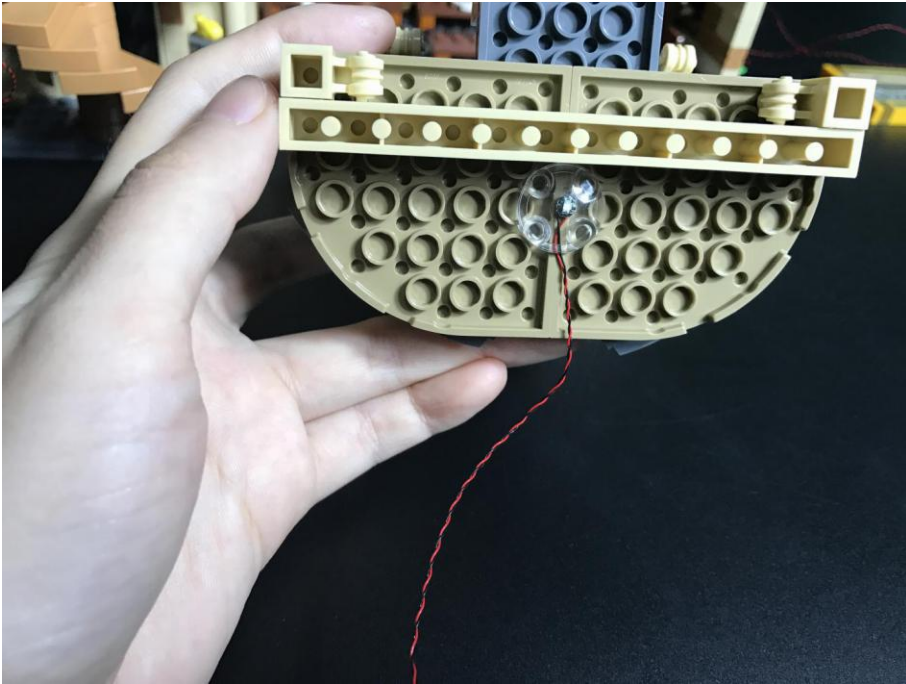
Repeat the above steps, remove the wall of the tower, pull the cables inside the tower.



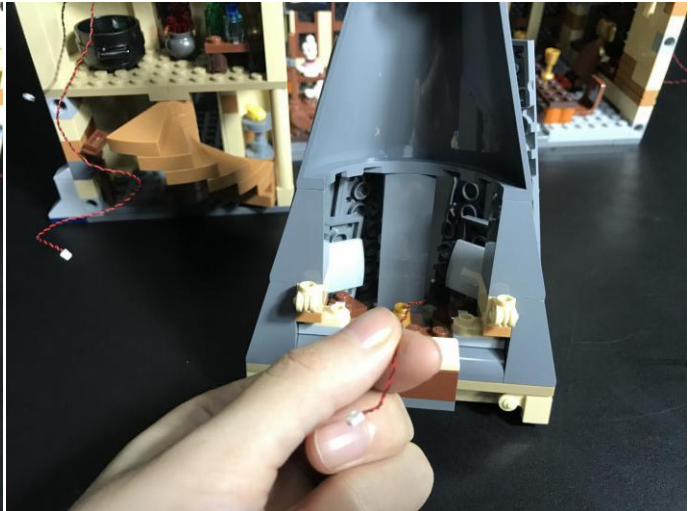
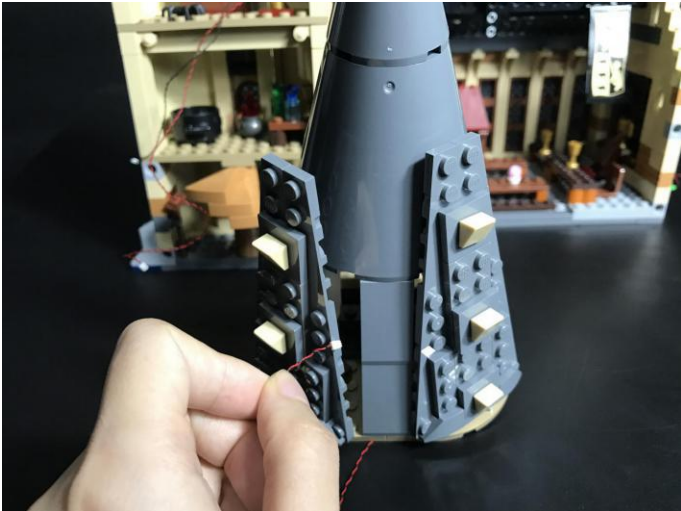
Now, we can turn to install the lights at the spire of the tower. Take a 15cm blue dot light, a 2x2 trans dome plate.



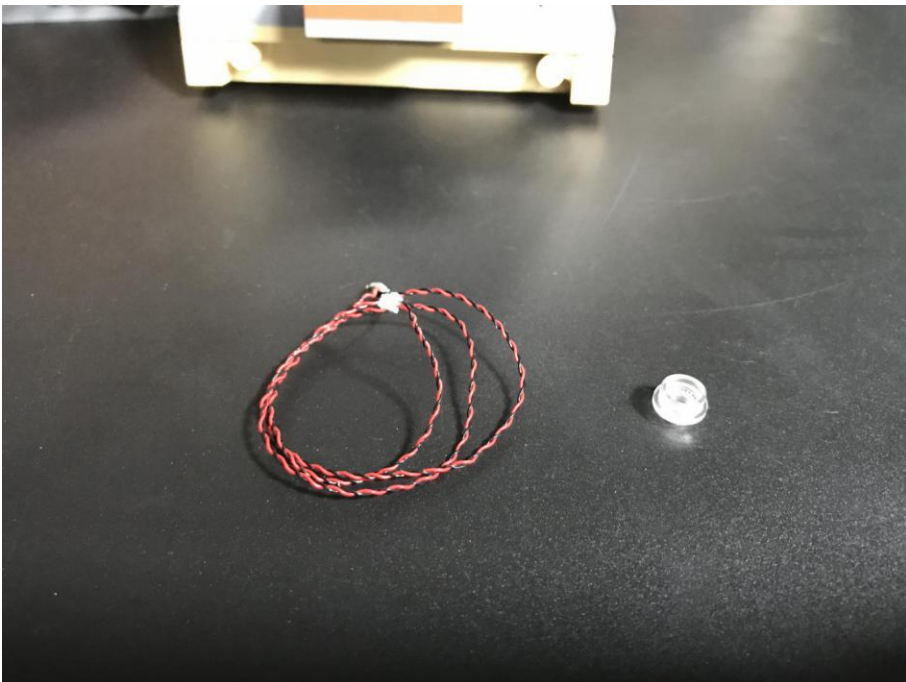
Install them underneath the tower as well.



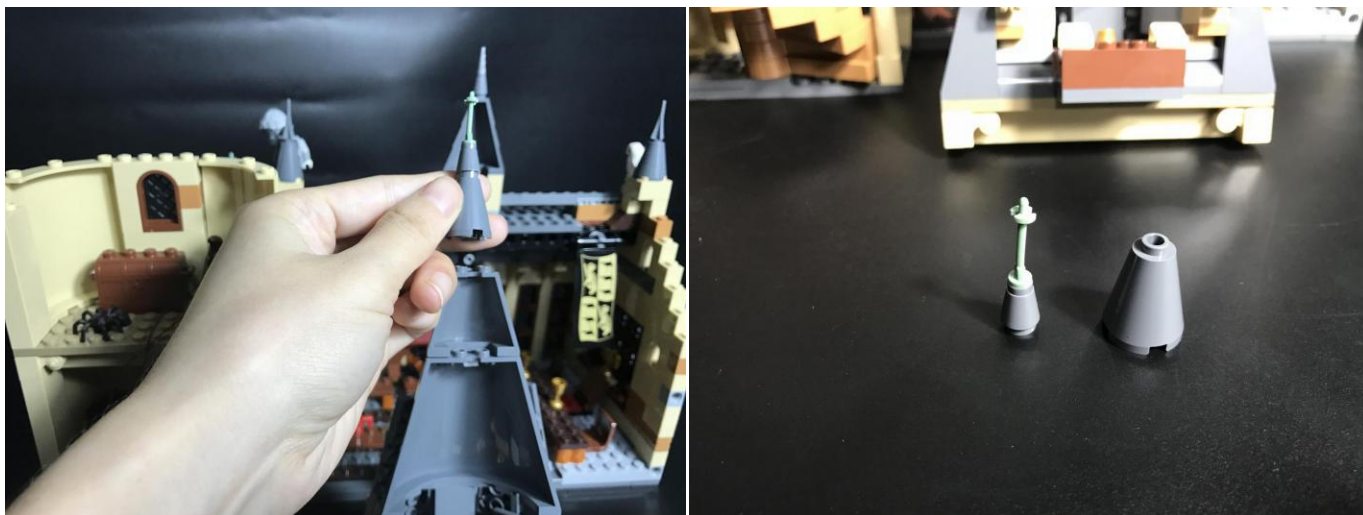
Thread the side with plug from the back to the inside of the tower.



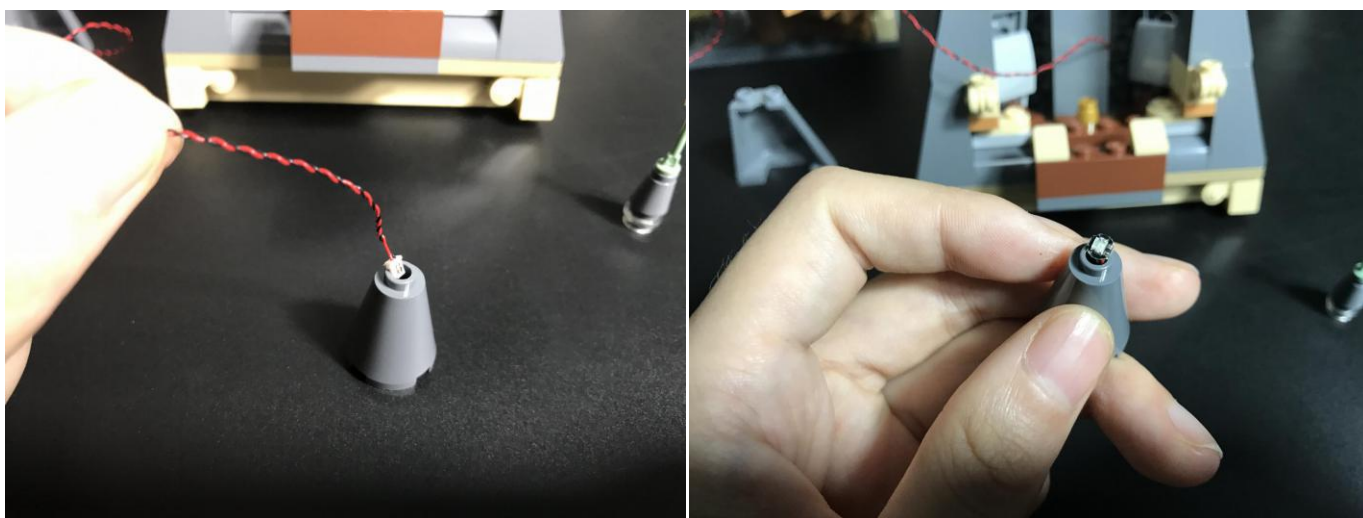
Take a multi colour changing dot light, a trans round plate.



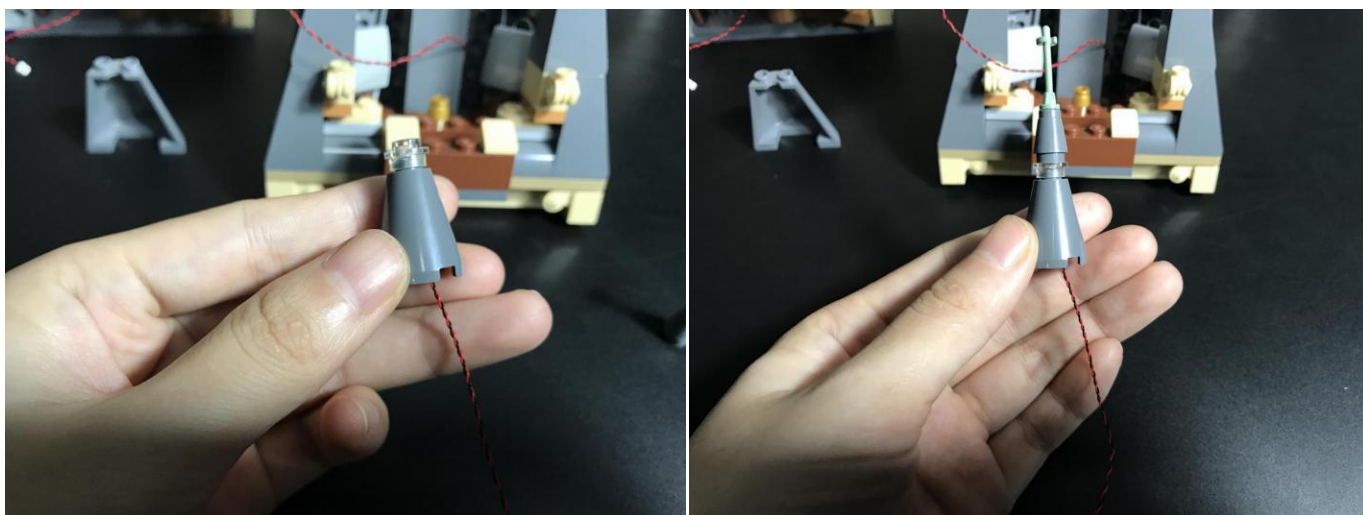
Remove the spire of the tower, as per below.



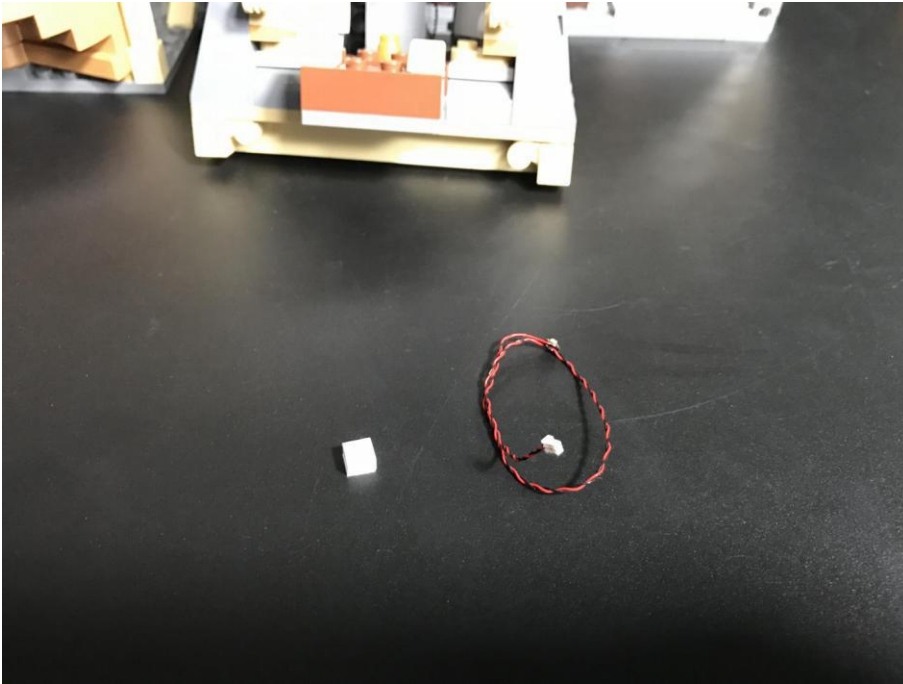
Pull the plug through the gray cylinder, pull its cable till the light facing up



Place the trans round plate over it, reconnect the spire.



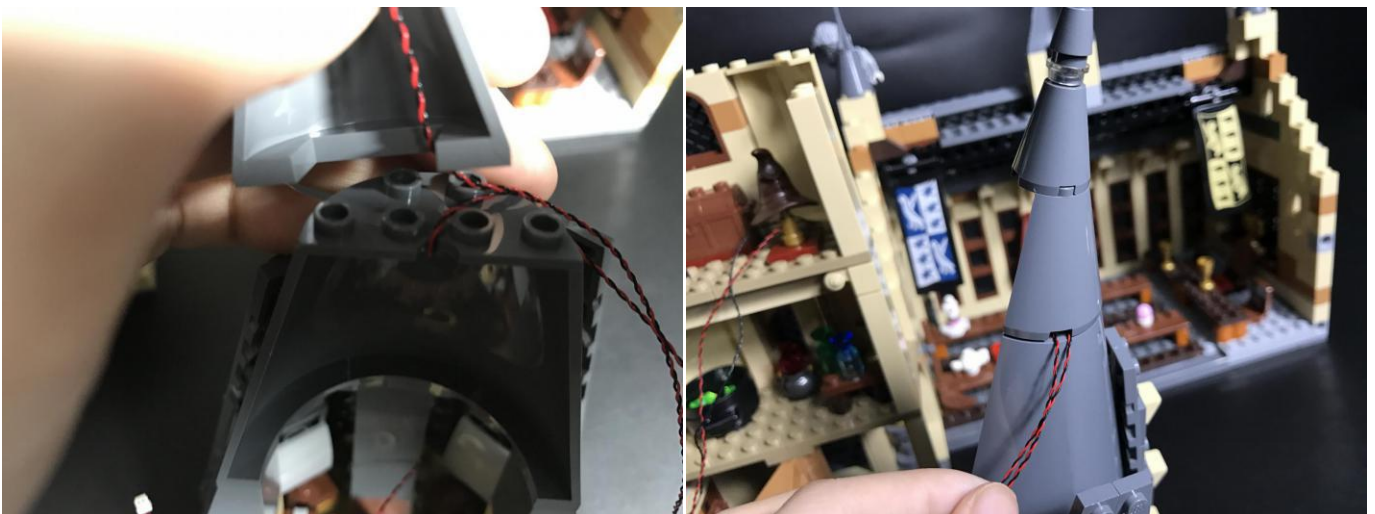
Then, take a 15cm white dot light, a piece of adhesive tape.



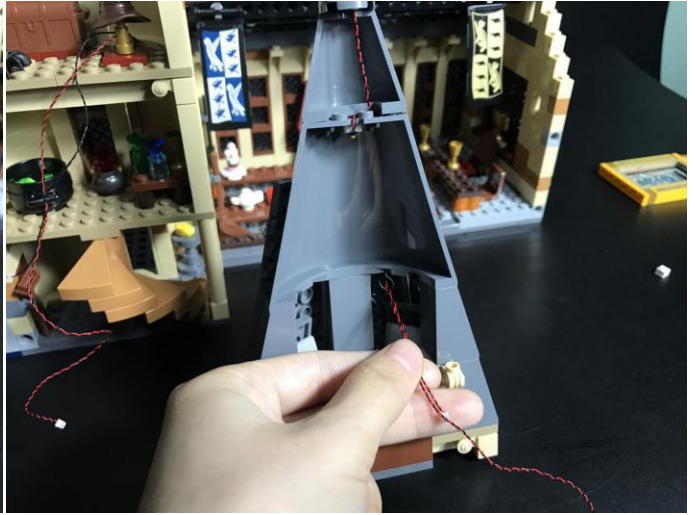
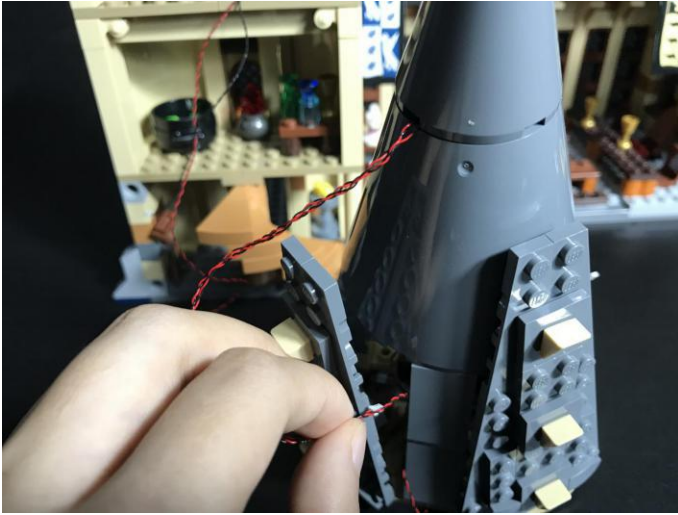
Stick the LED component inside the spire of the tower, as per below.



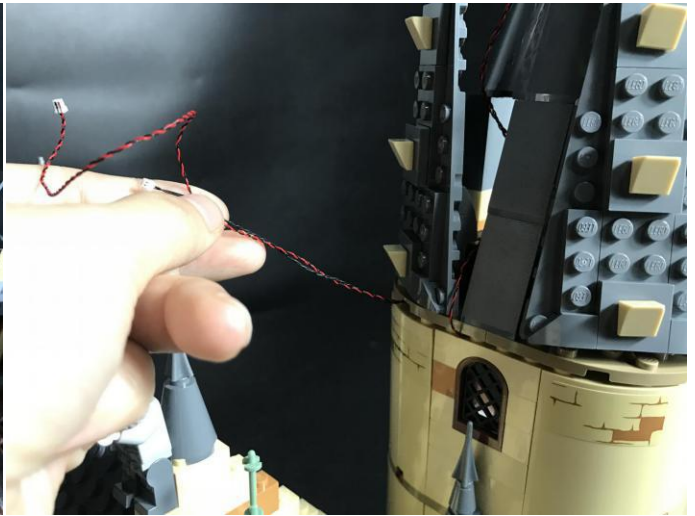
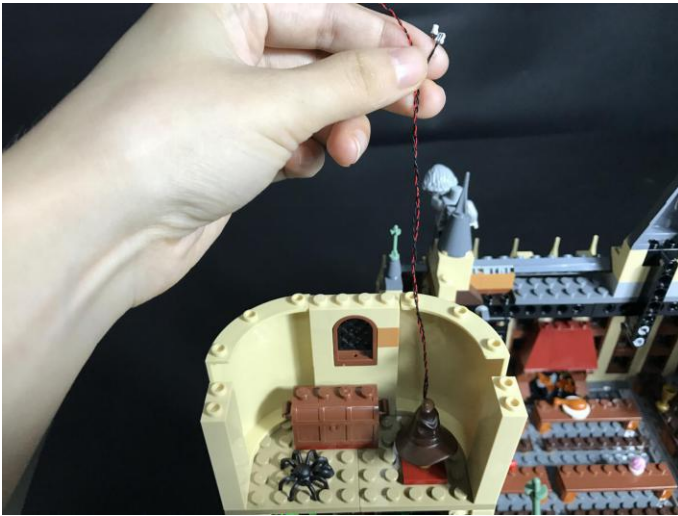
Press the cable of the multi colour changing light and the white dot light in between the studs, reconnect the spire of the tower.



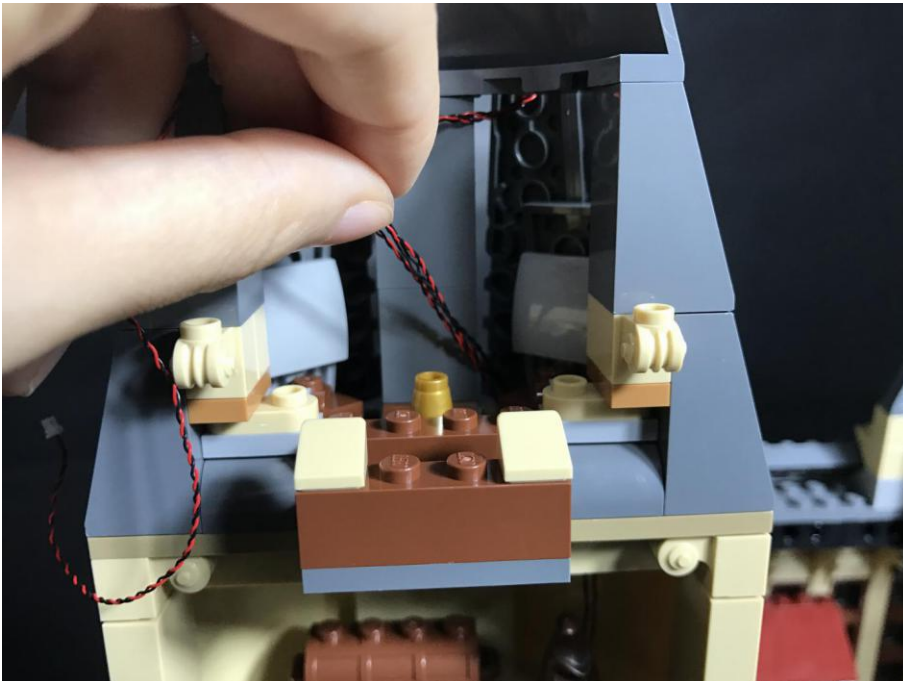
Twist the two cables into one, thread it to the inside of the tower from its back.



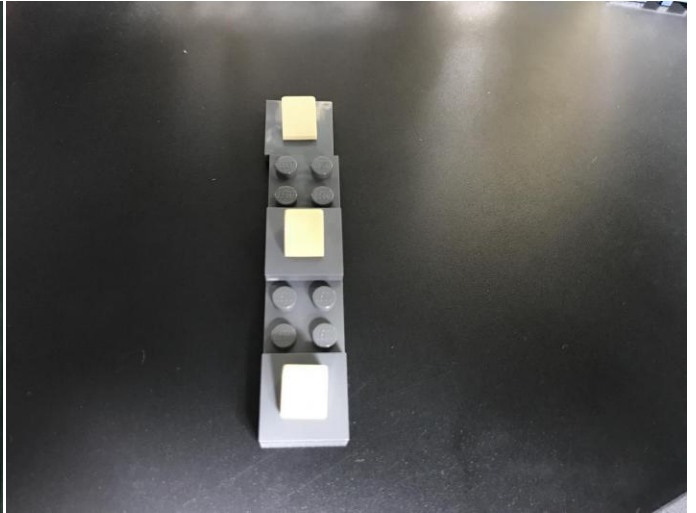
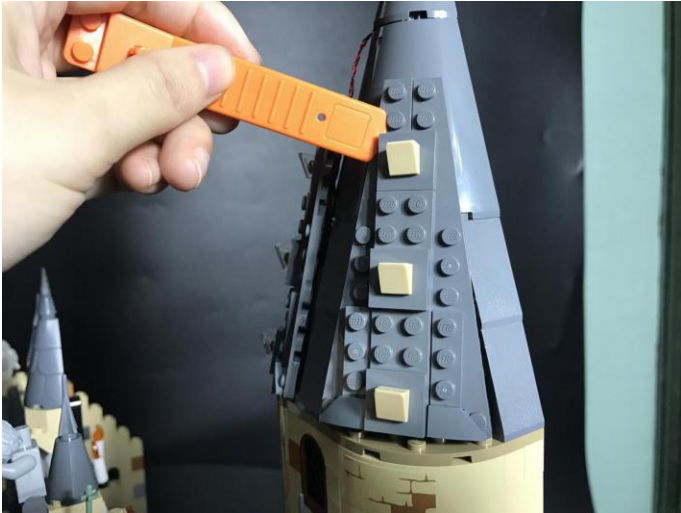
Twist all cables of the lights installed before into one, pull the cable out before reconnect the spire.



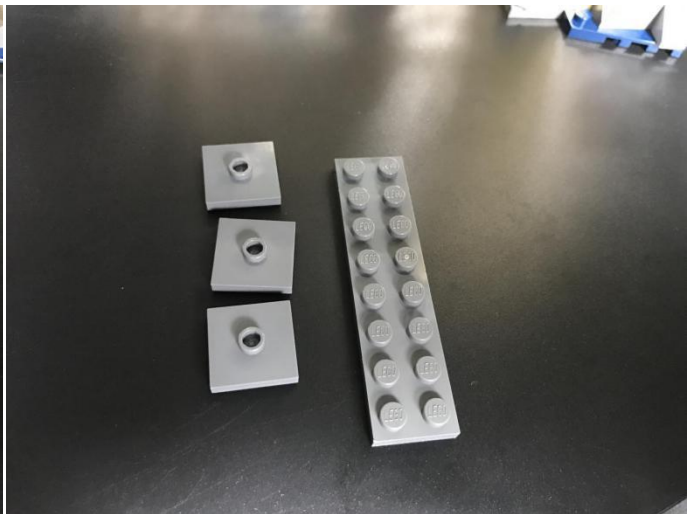
Then, thread it into the tower from the back of the spire.



Remove the LEGO brick at the back of the tower.



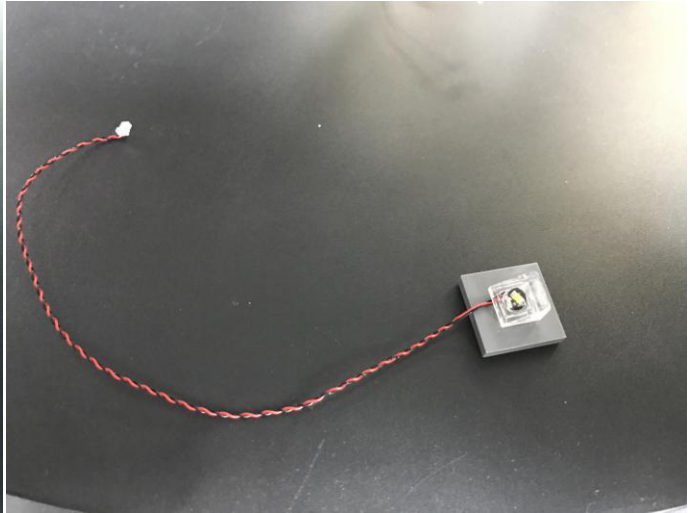
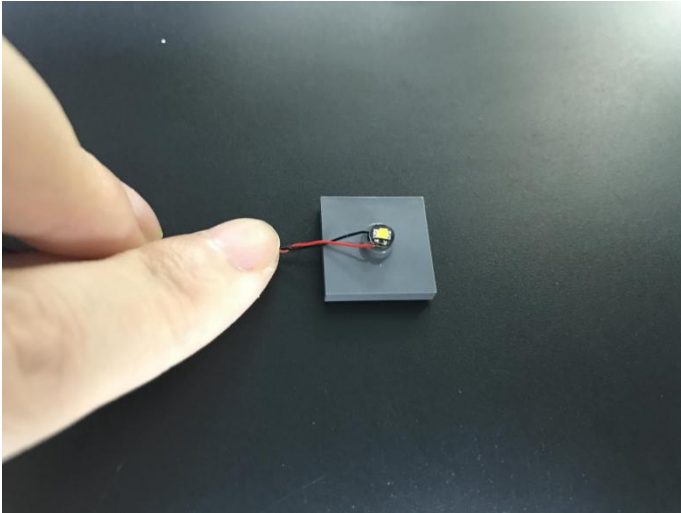
Dissemble it as per below.



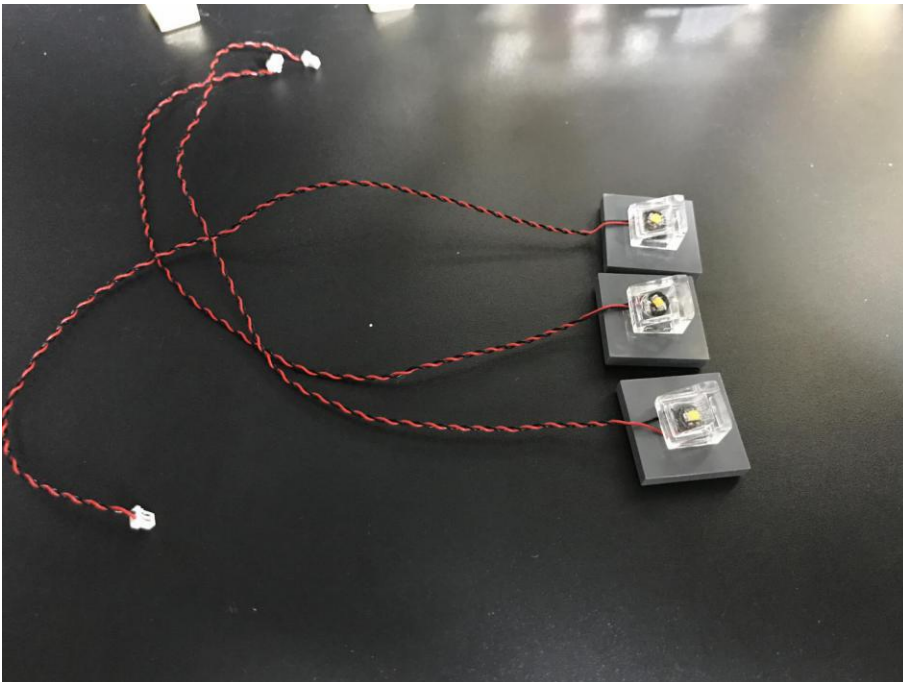
Take three 15cm white dot lights, three trans beveled bricks.



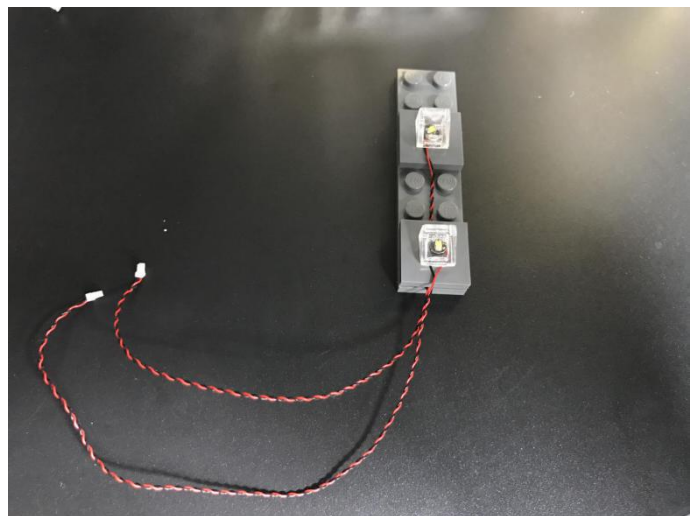
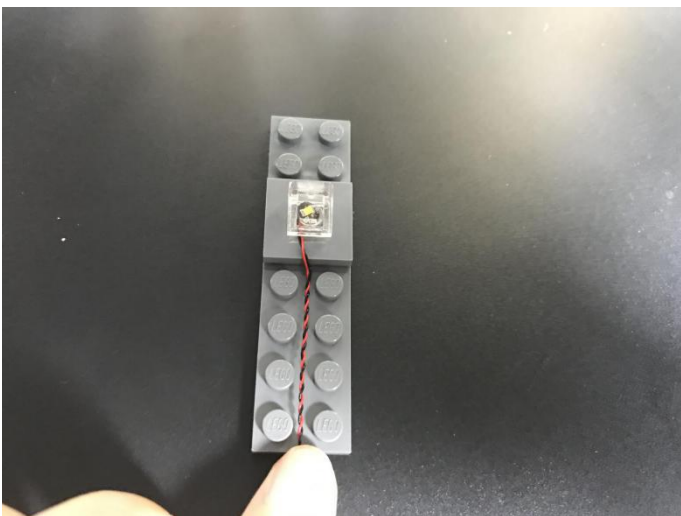
Ensure the LED component is facing up, secure it on the plate by placing the trans brick over it, leave the light facing to the lower side of the brick.



Repeat the above steps to install another 2 lights.



After the lights are installed, reconnect them to the LEGO plate, hide the cables by press them in between the studs underneath the brick.





Thread the cables into the tower from the gap, as per below.



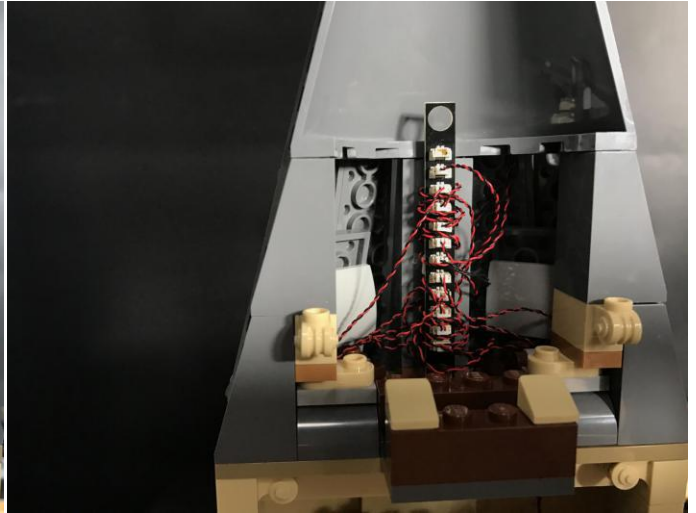
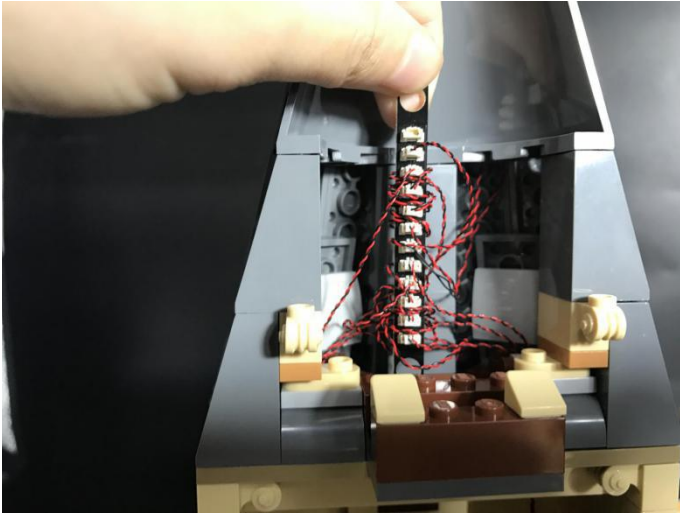
Take three 15cm white dot lights, and three trans beveled bricks. Repeat the above steps, to install the lights at the other side of the brick, thread the cables inside the tower as well.



Take a 12-port expansion board, stick adhesive tapes at both sides, insert all the plugs of the lights of the tower to the available ports of the expansion board, tuck them around

the expansion properly.

Secure the expansion board on the wall inside the tower.



Now all the lights inside the tower are installed. Reconnect everything inside the tower.



Turn on the power to check if the lights work.

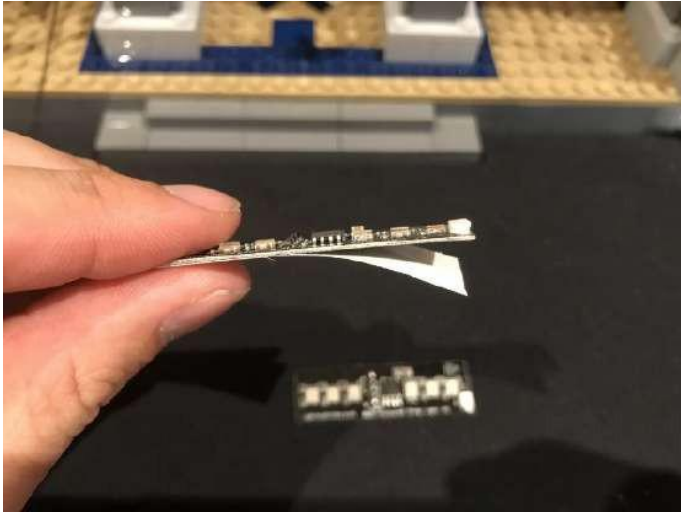




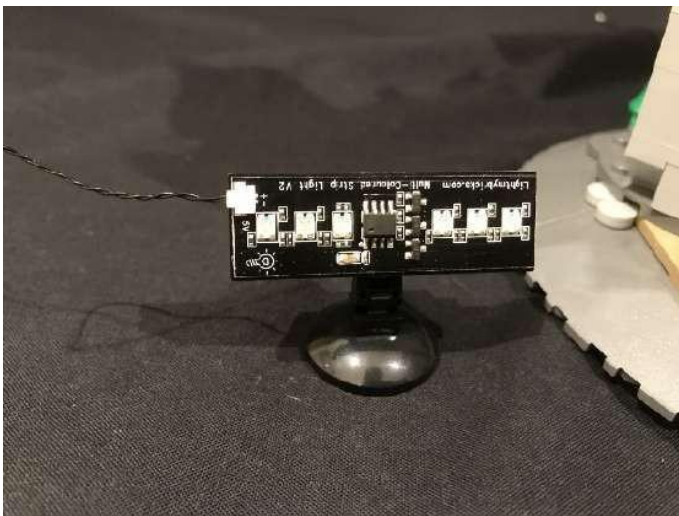
Then find the following LEGO pieces provided in the kit, install them as a spotlight as per below.



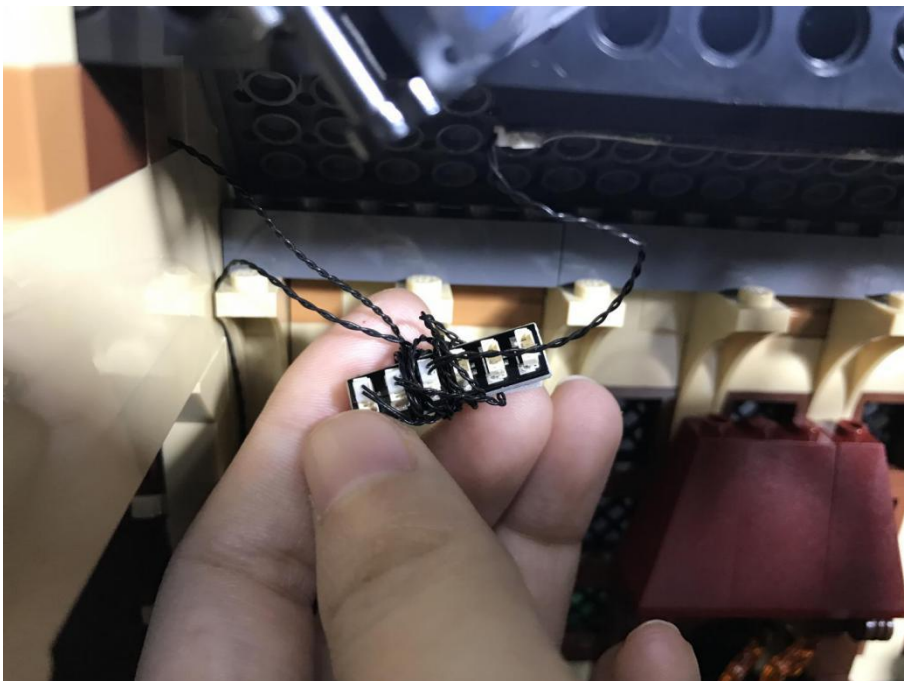
Take a multi colour Strip Light, uncover the sticky paper at its back and stick the light under the 2x6 base plate.



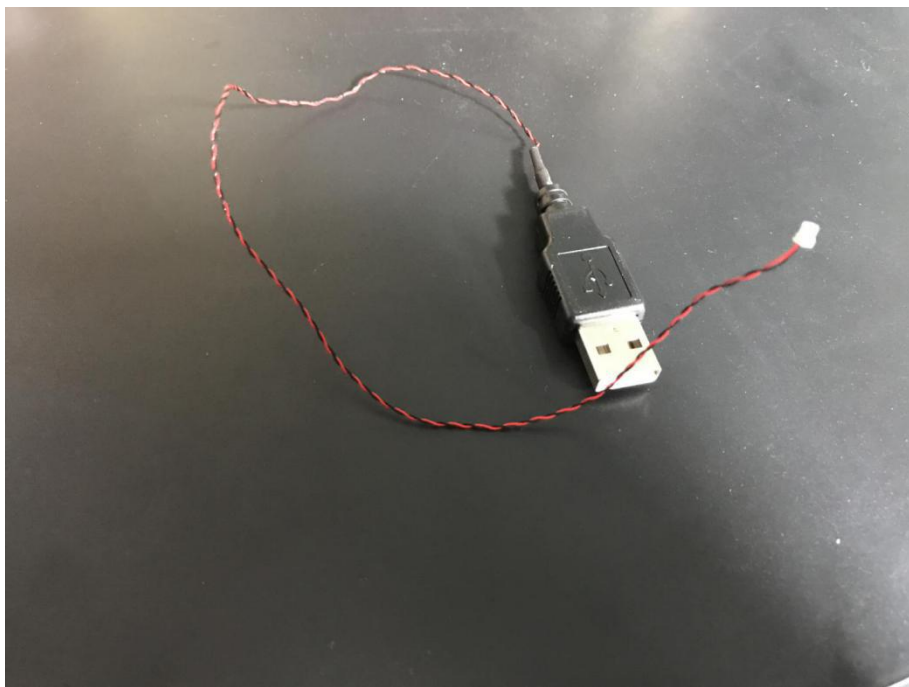
Take a 30cm connecting cable and insert it into the input port of the light, thread the other side inside the house from the door.



Tuck the cables around the expansion board, insert the plug of the spotlight to the available ports of the expansion board.



Take the USB power cable, insert it into the available ports of the expansion board as well.



After all the plugs are inserted, stick the 6-port expansion board at the shelter of the roof.



Now, all the lights are installed, turn on the power, adjust the angle of the spotlight, and enjoy it!



