

# Modular Police Station LED Lighting Kit

## Package contents:

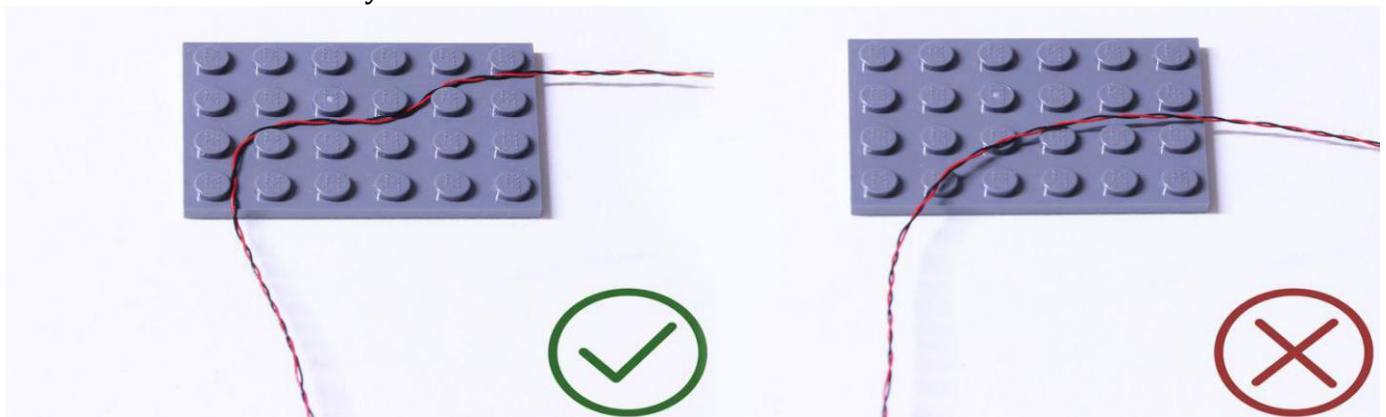
- 6 x 15cm Warm White Dot Lights
- 2 x 30cm Warm White Dot Lights
- 6 x Warm White Strip Lights
- 1 x 5cm Connecting Cable
- 5 x 15cm Connecting Cables
- 3 x 30cm Connecting Cables
- 2 x 6-port Expansion Boards
- 1 x 8-port Expansion Board
- 1 x White Dot Light with Lamp Post
- 1 x AA Battery Pack

Extra LEGO pieces

## Note:

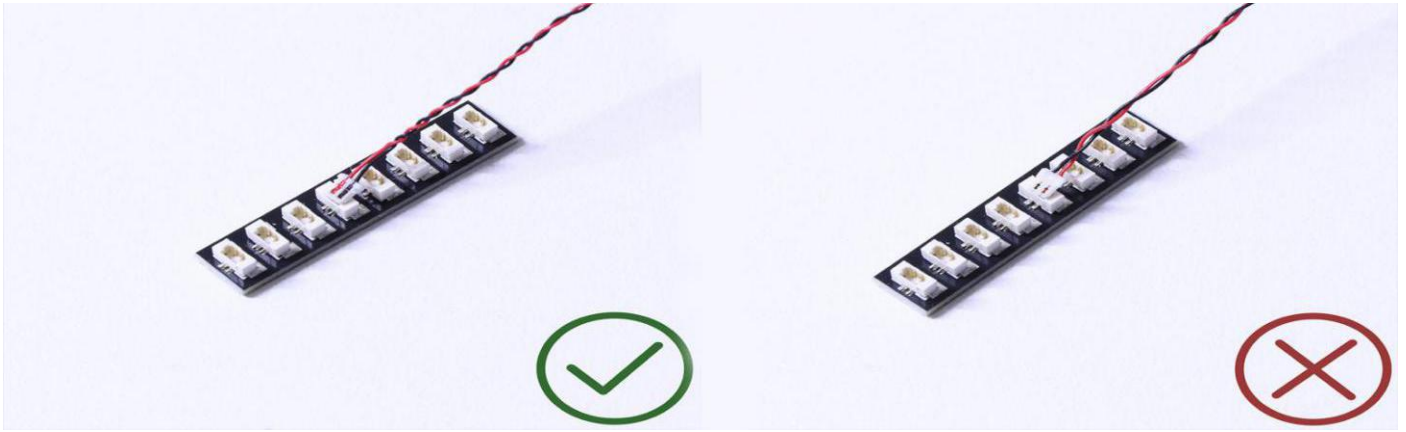
Place wires on the surface or under the LEGO building blocks.

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

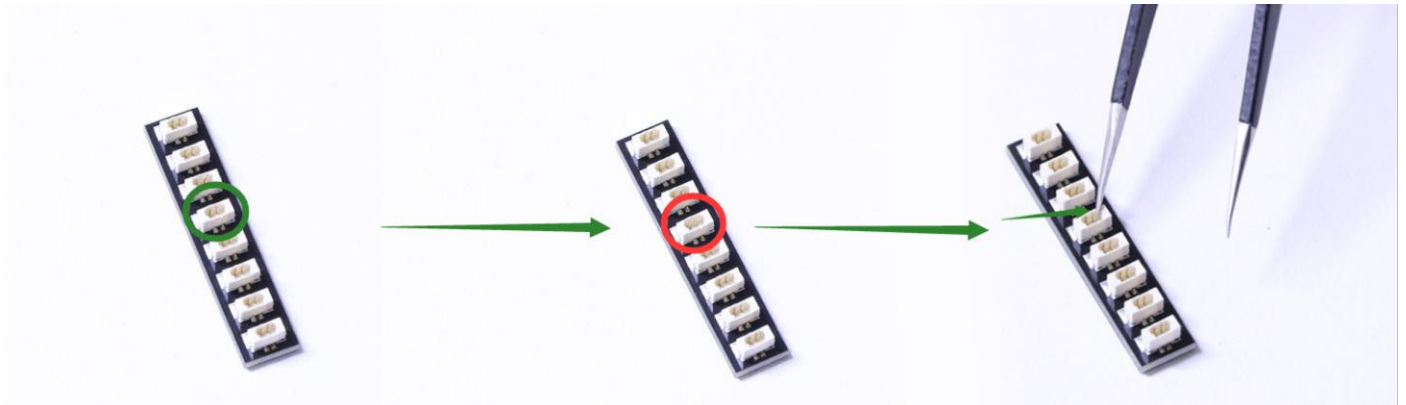


Insert the connectors to the ports.

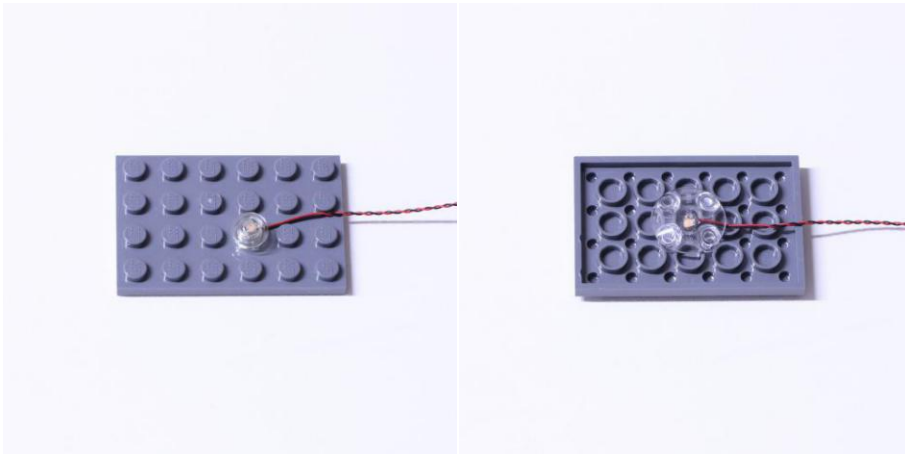
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop, 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.

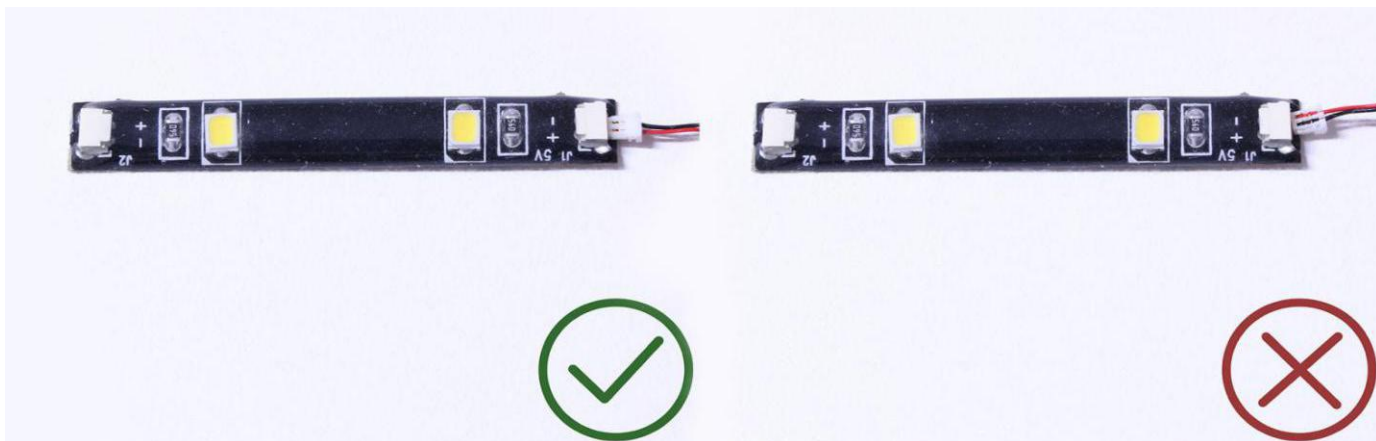


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

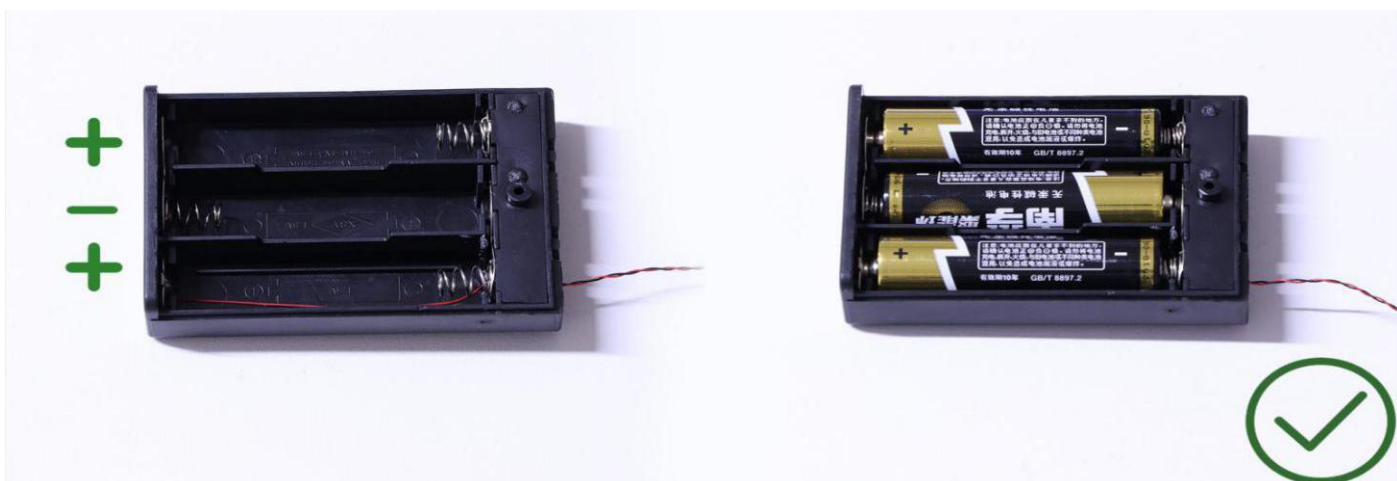


## Connecting cable connectors to Strip Lights

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.







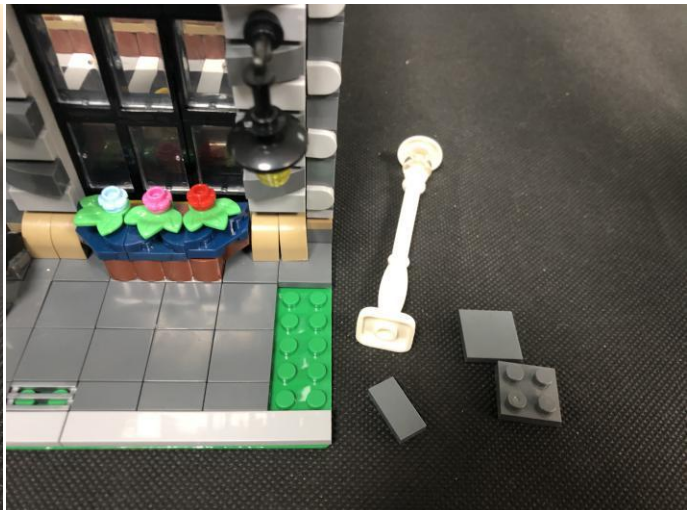
Instructions for installing this kit:

OK, Let' s Begin!

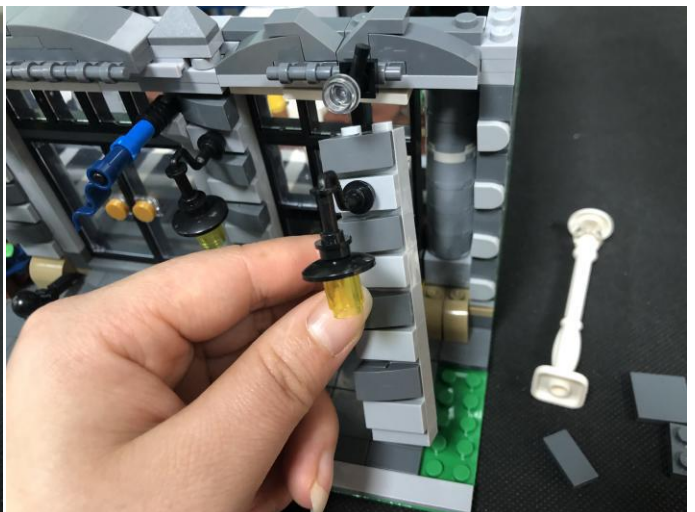
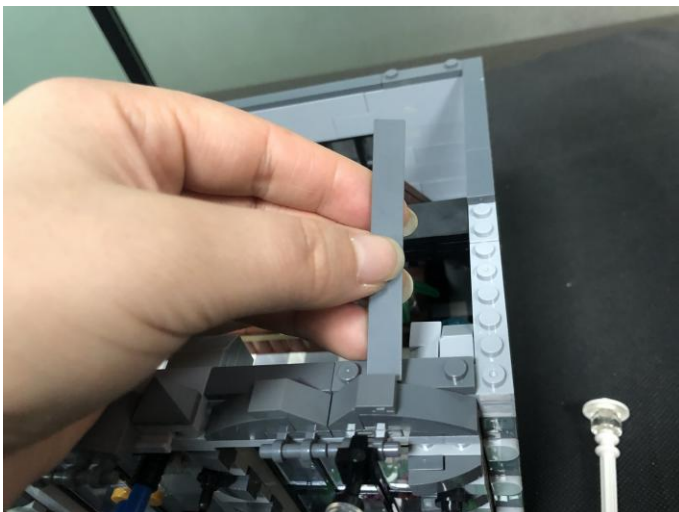
Remove the second floor and the third floor.



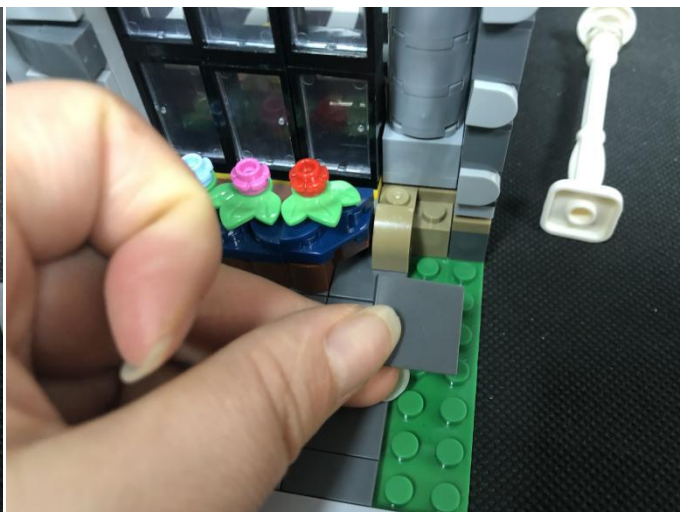
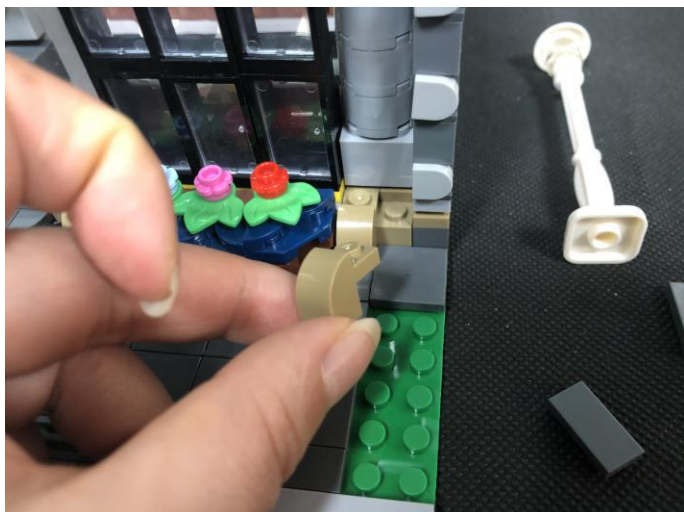
Start from installing the lamp post, remove the original lamp post and the following plates.



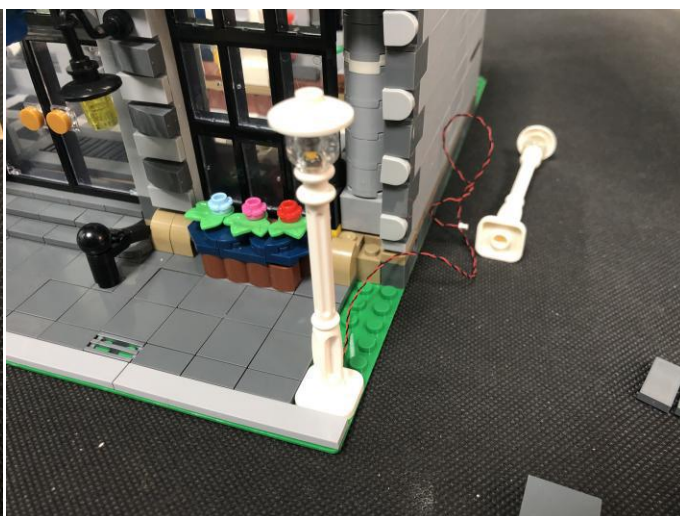
Remove the following pieces.



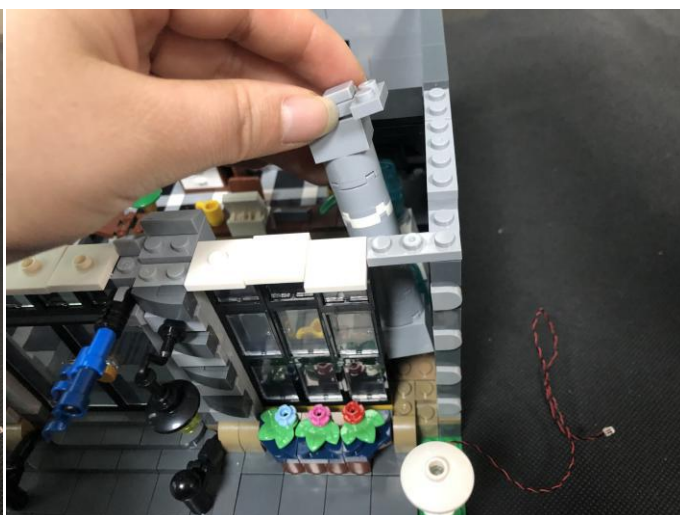




Take the post lamp with light from the package, replace the original one with this one.



Remove the following part, remove the pillar from the right side.

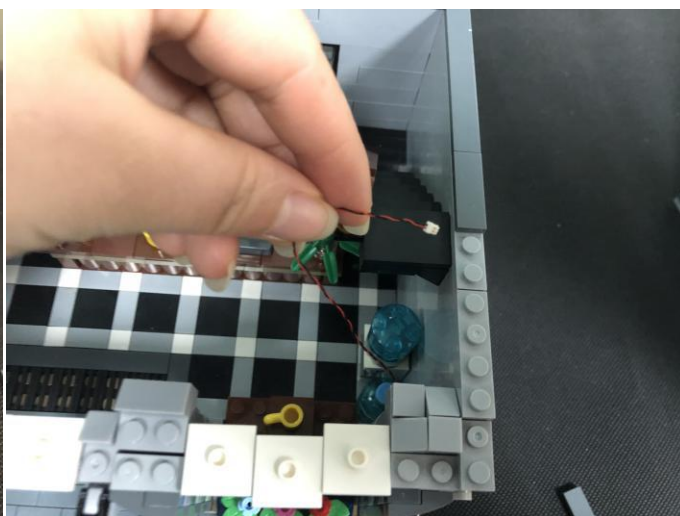


Pull the cable to the inside, reconnect the plate to secure the cable.





Reconnect the pillar, place the cable as per below.

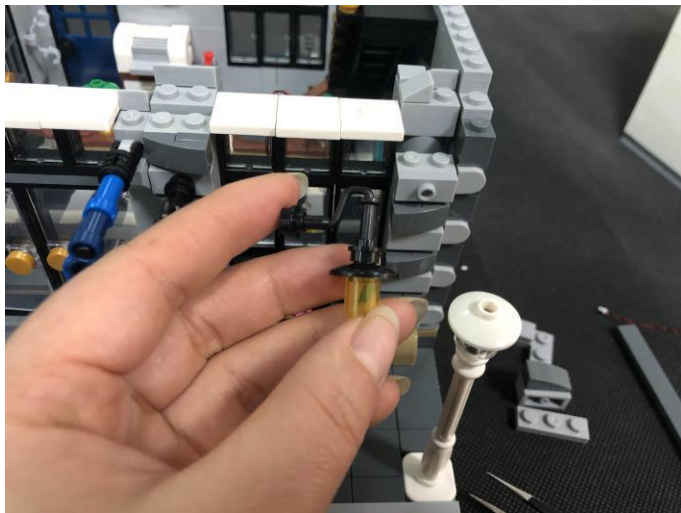


Continue to install the wall lamp. Remove the plate above the lamp.

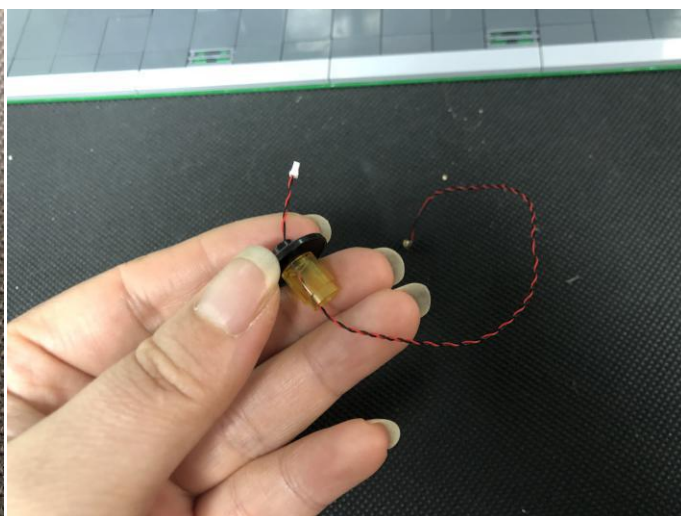
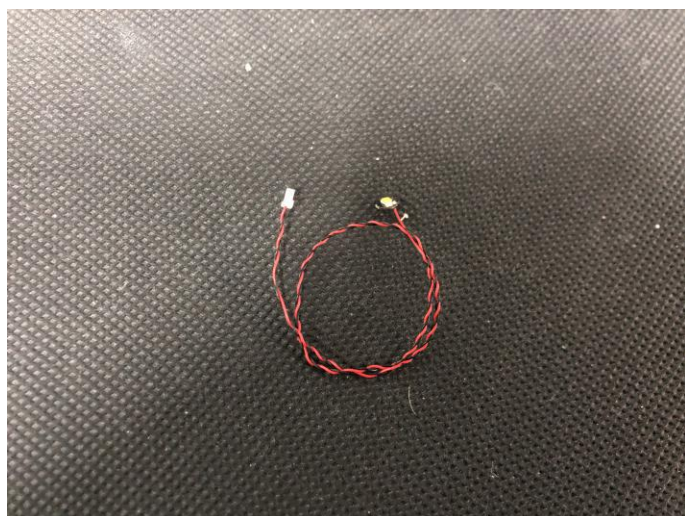


Remove the lamp and disassemble it.





Take a warm white 15cm dot light, thread the light through the trans yellow lamp shade.

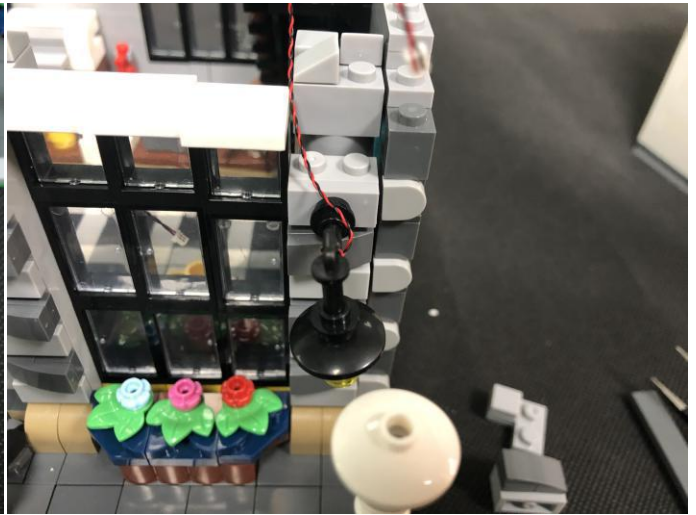
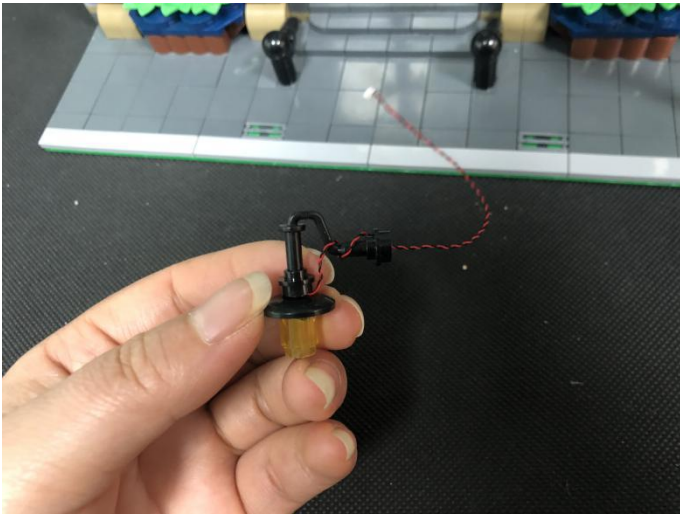


Pull the cable out till the light is placed inside, reconnect the other pieces.

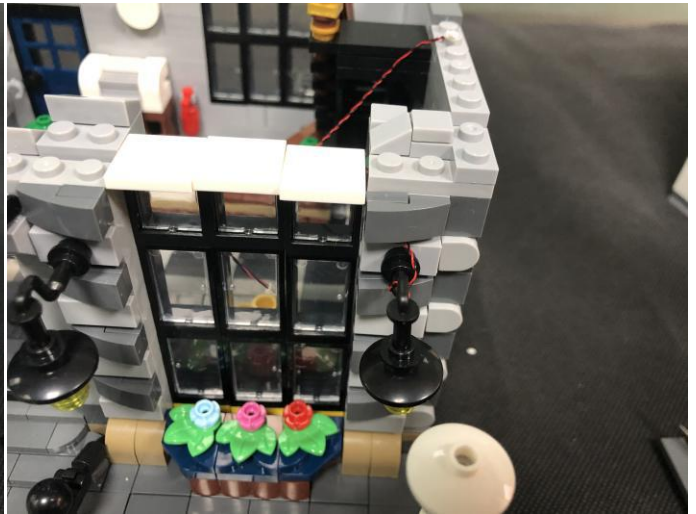
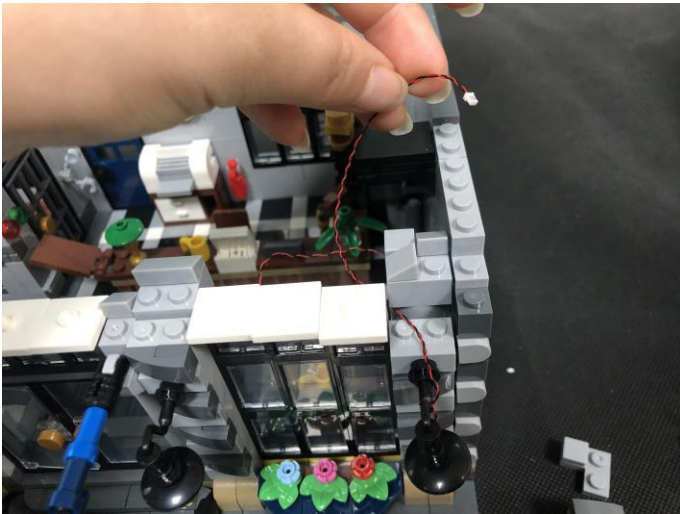


Tuck excess cables, reconnect the lamp back on the wall.





Pull the cable to the inside, reconnect the plates over the lamp to secure the cable.



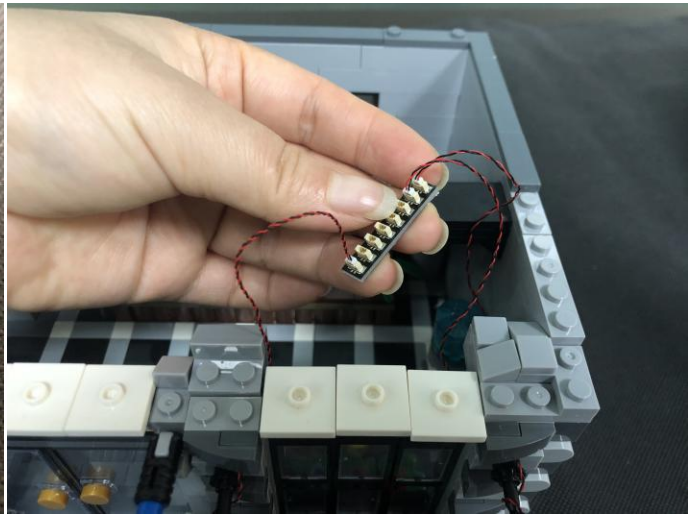
Move onto installing the second wall lamp at the right side, remove the lamp.



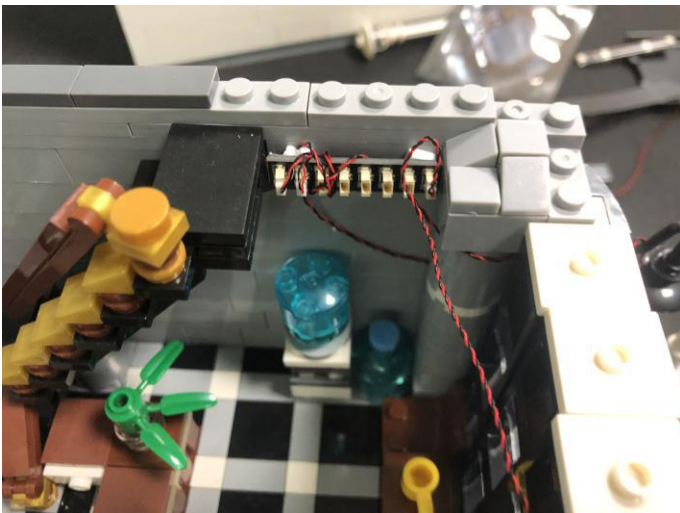
Take a warm white 15cm dot light, repeat the steps above to install the wall lamp.



Take an 8-port expansion board, connect the cables of the lamps to it



Tuck excess cables and stick the expansion board to the following place with adhesive squares.



Take 2 warm white 30cm dot light, repeat the previous steps to install the 2 wall lamps.





Connect the 2 cables to the expansion board as per below.



Reconnect the pieces we removed before.



Remove the third floor.



Turn the second floor to its side.

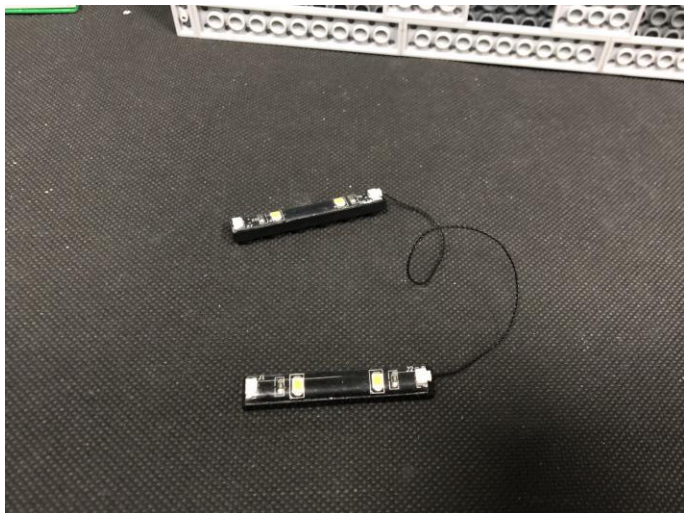


Take 2 warm white strip lights, a 15cm connecting cable, 2 black 1x6 plates. Stick the strip lights to the 2 plates as per below.

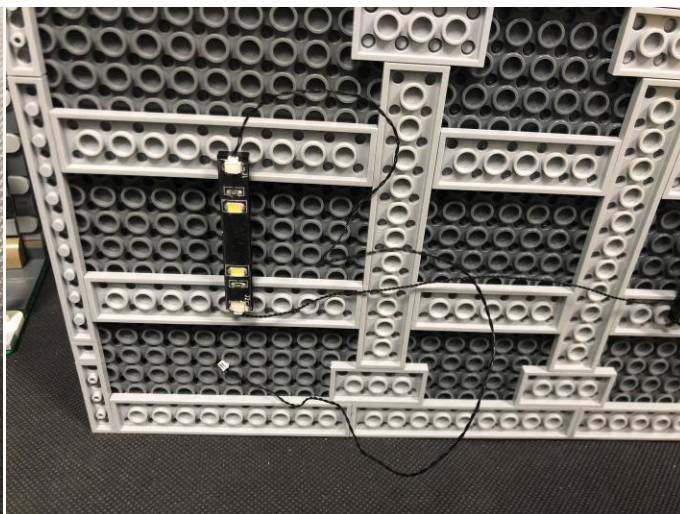


Connect the 2 strip lights with the connecting cable, stick the 2 strip lights to the following places.





Take two 30cm connecting cables, connect one of them to the strip light at the left side.

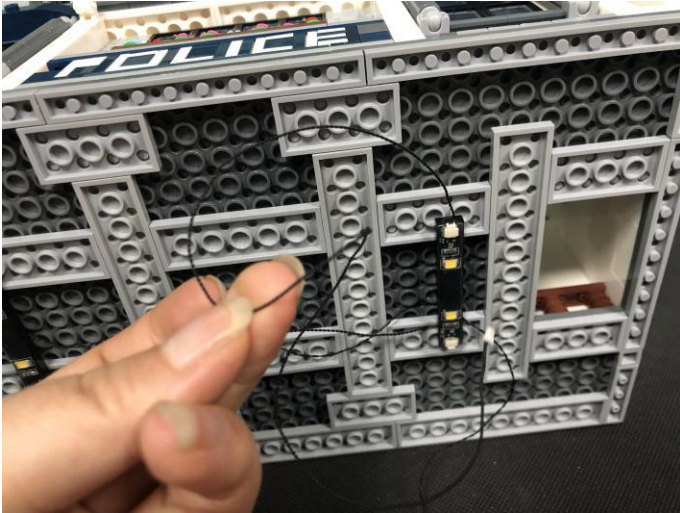


Pull the cable to the right.

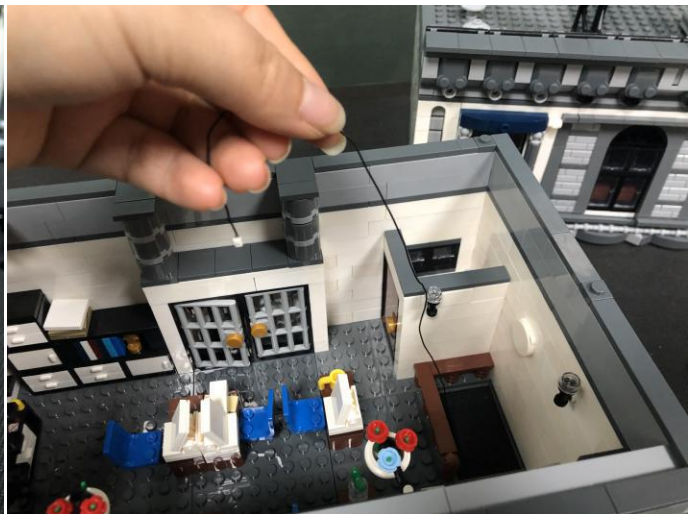
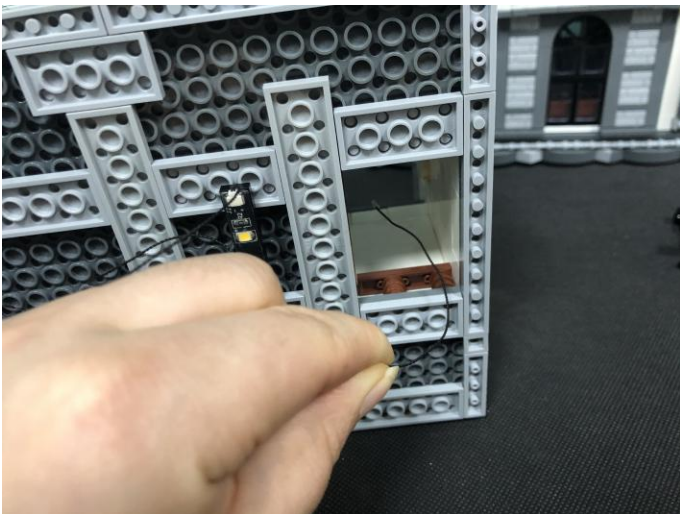


Connect the other connecting cable to the strip light at the right side.





Thread the cable from the strip light through the stairway to the inside of the second floor.

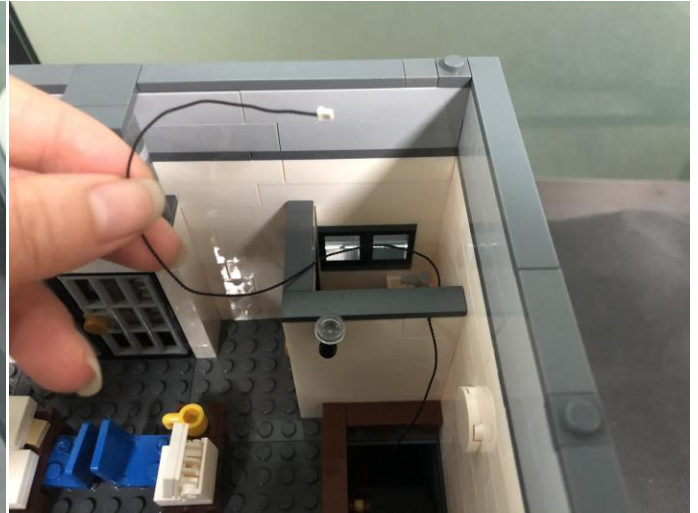


Pull the cable from the left strip light to the expansion board, reconnect the second floor.



Remove the following piece, secure the cable as per below.

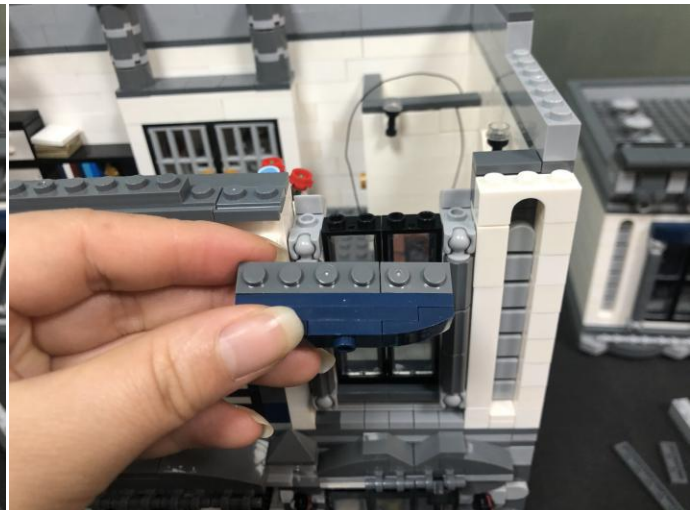




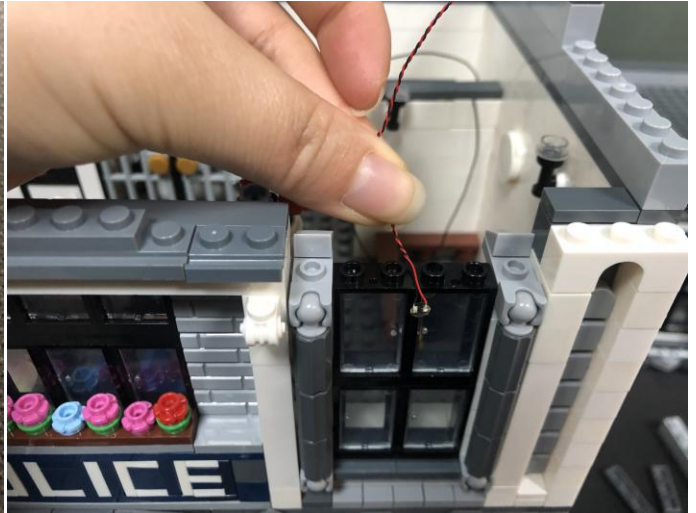
Now, we will install the window lights for the window at the second floor, remove the following piece.



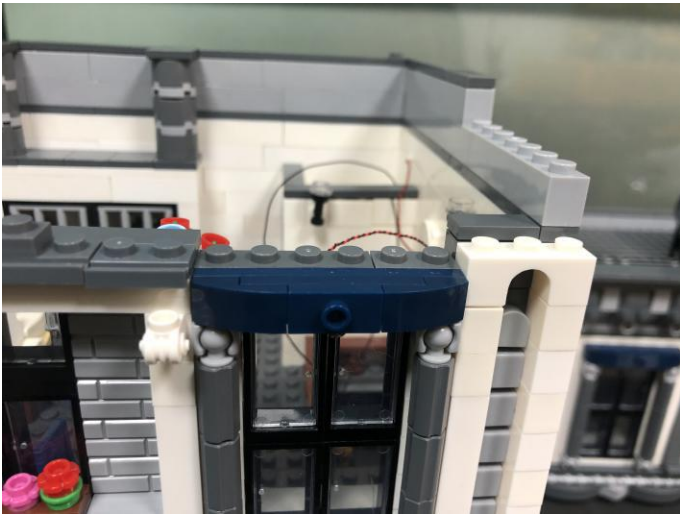
Remove the eave.



Take a warm white 15cm dot light, with lighting part facing down, place the light above the window.



Reconnect the eave to secure the light.

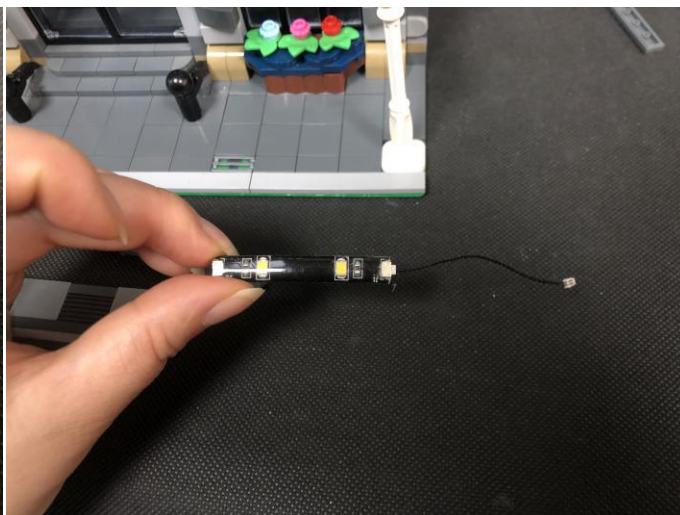
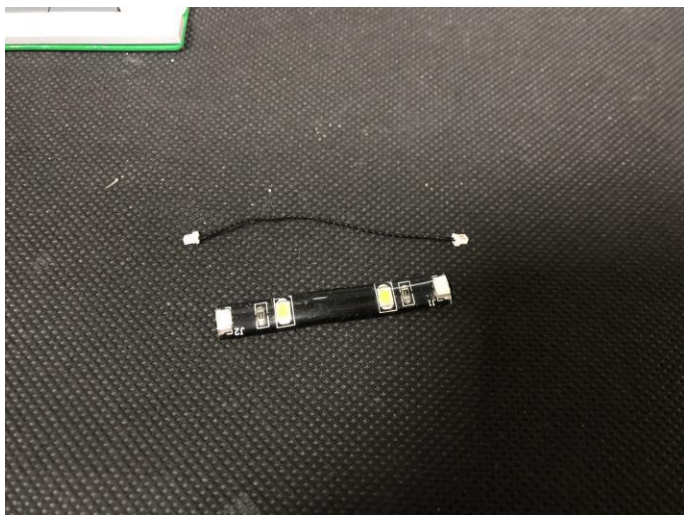


Continue to install light for the window at the middle.



Take a warm white strip light, a 5cm connecting cable, connect the connecting cable to the strip light.

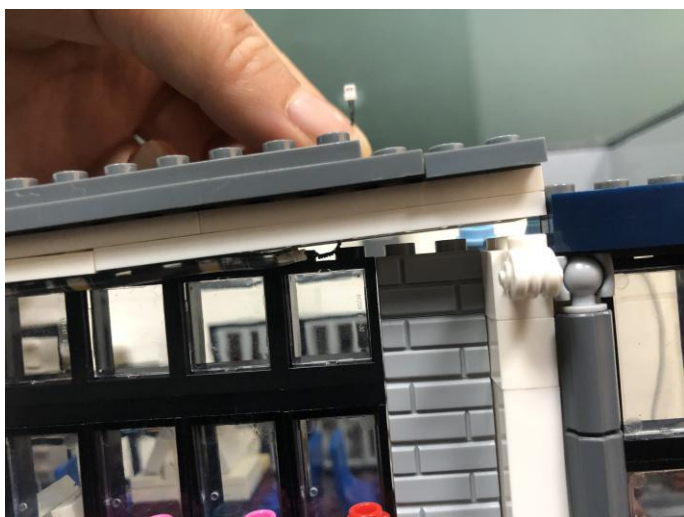




Stick the strip light to the following place, lift the plate over the window as per below.



Thread the cable through the gap to the inside, reconnect the plate.



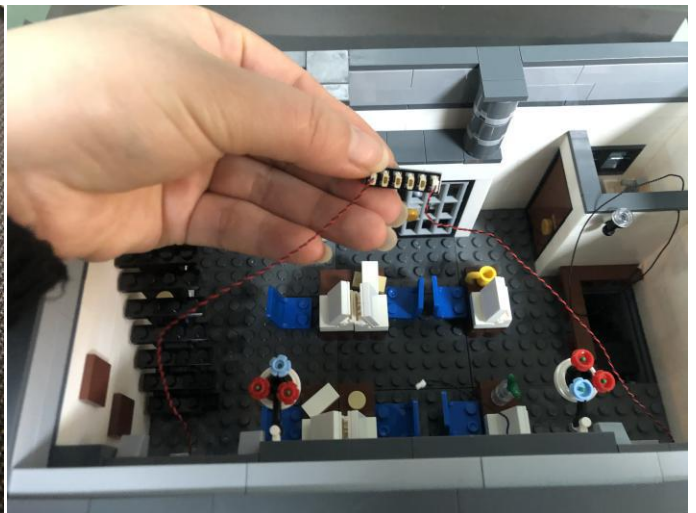
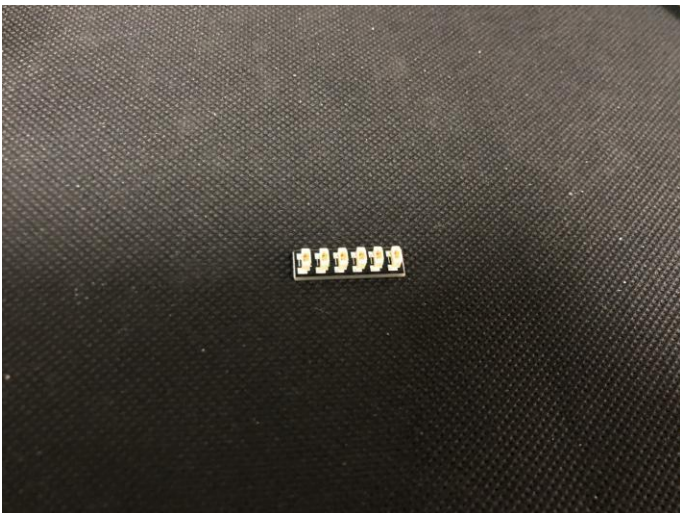
Take a warm white dot light, repeat the steps we did before for the light at the right side to install the light.



Reconnect the beam.

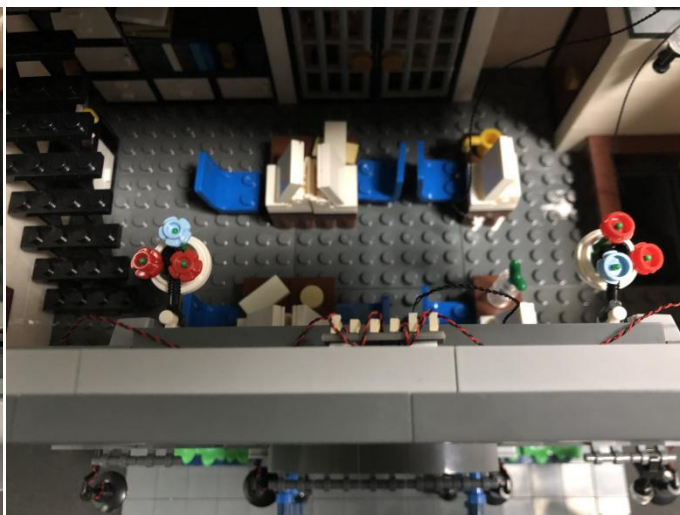


Take a 6-port expansion board, connect the 2 cables of the window lights to it.

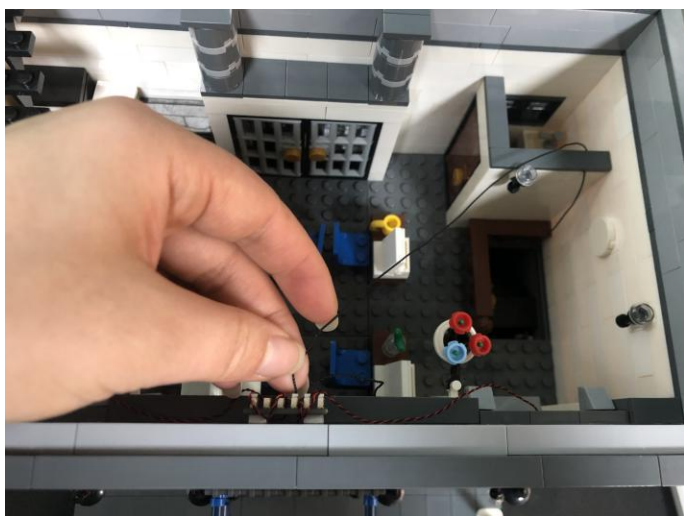


Stick the expansion board to the following place with the adhesive squares. Connect the cable from the middle window to it.





Connect the cable from the stairway to the expansion board.

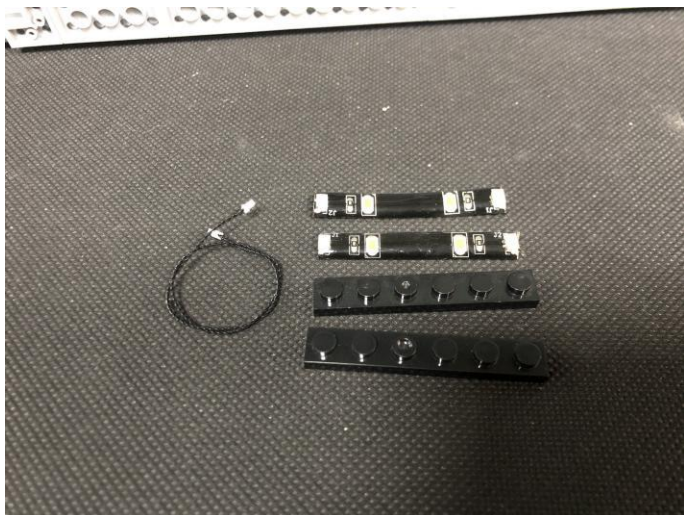


Remove the roof, turn the third floor to its side.

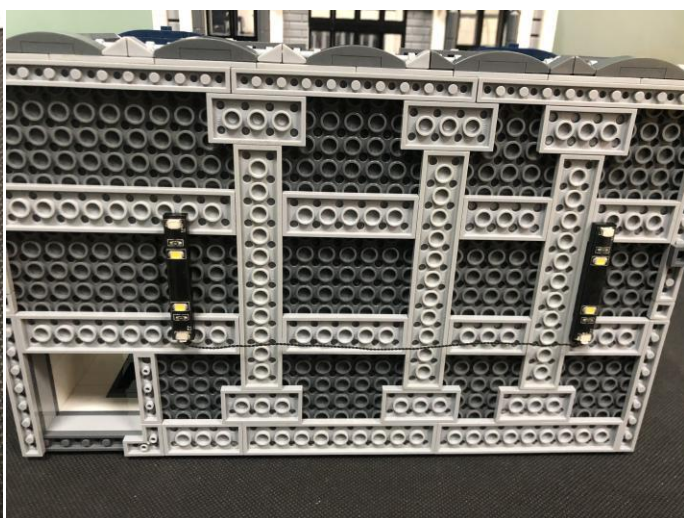


Take 2 warm white strip lights, a 15cm connecting cable, 2 black 1x6 plates, stick the strip lights to the plates as per below.

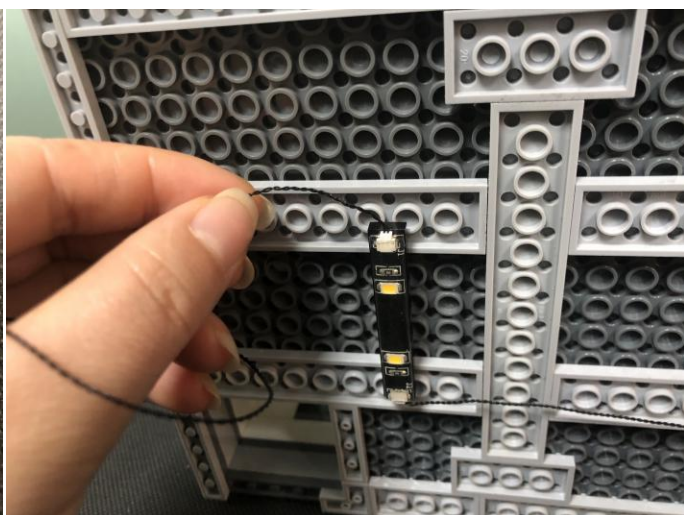




Connect the 2 strip lights together with the connecting cable, stick the 2 strip lights to the following place.

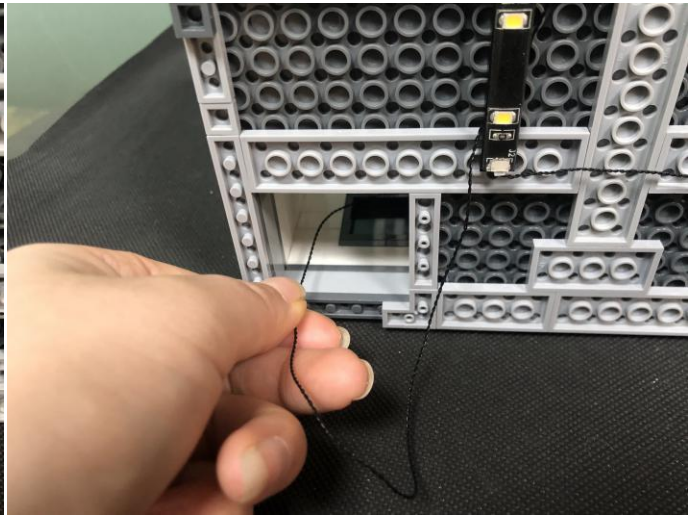
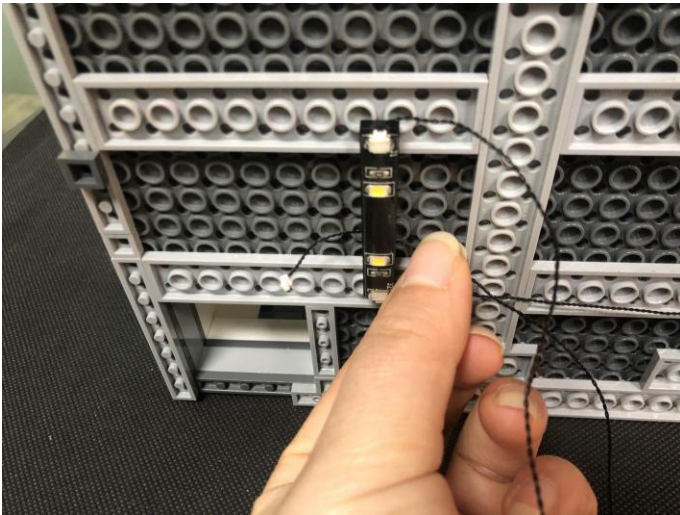


Take a 30cm connecting cable, connect it to the strip light near the stairway.



Thread the cable through the space underneath the strip light, pull it through the stairway to the third floor.





Remove the following piece to secure the cable.



Take a 15cm connecting cable, connect it to the expansion board at the second floor, connect the other end to the strip light at the third floor.



Reconnect the third floor as per below.



Continue to install window lights for the third floor.

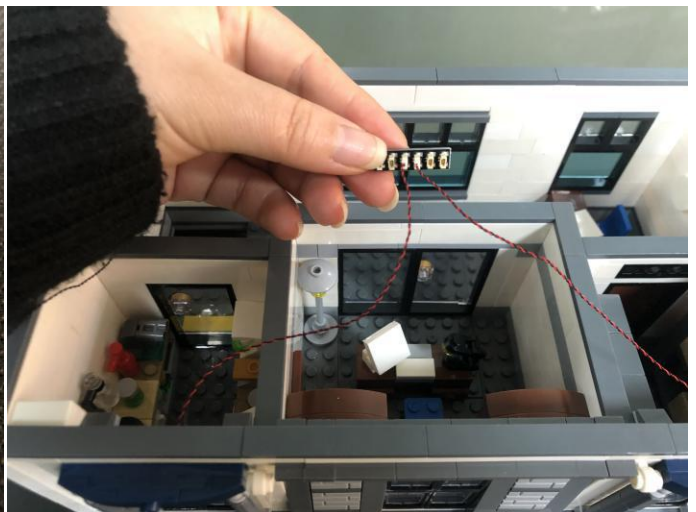




Take 2 warm white 15cm dot lights, repeat the steps we did for the window lights of at the second floor to install the lights.



Take a 6-port expansion board, connect the 2 cables of the window lights to it.

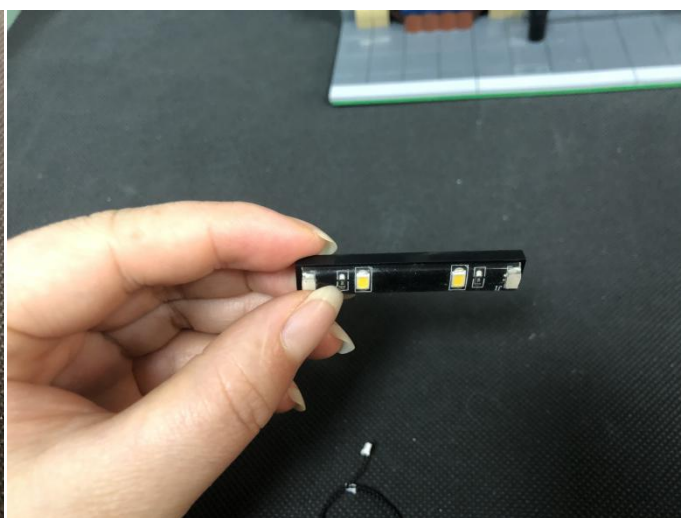


Stick the expansion board to the following place, connect the cable from the stairway to it.





Take 2 warm white strip lights, a 15cm connecting cable, 2 black 1x6 plates, connect the strip lights to the plates.

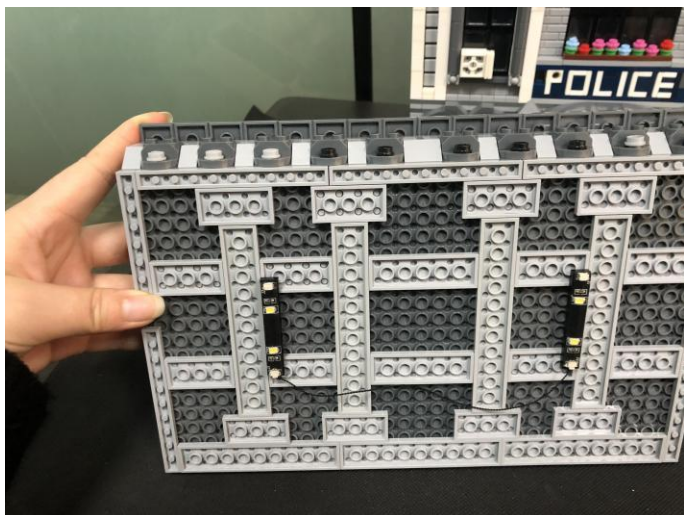


Connect 2 strip lights together with the connecting cable, turn the roof to its side.

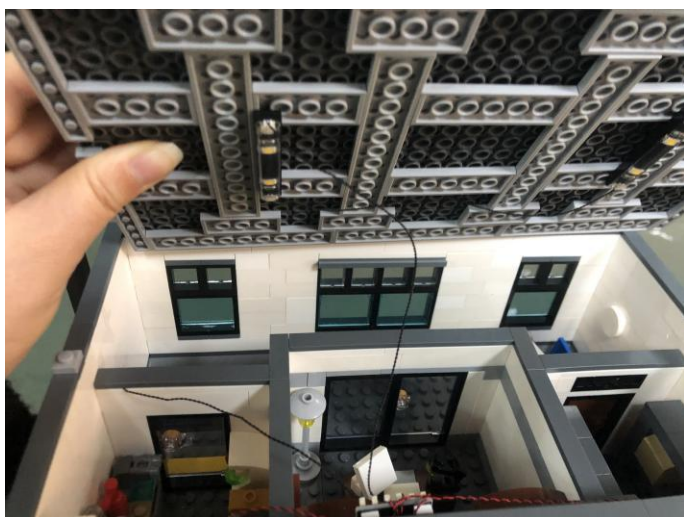
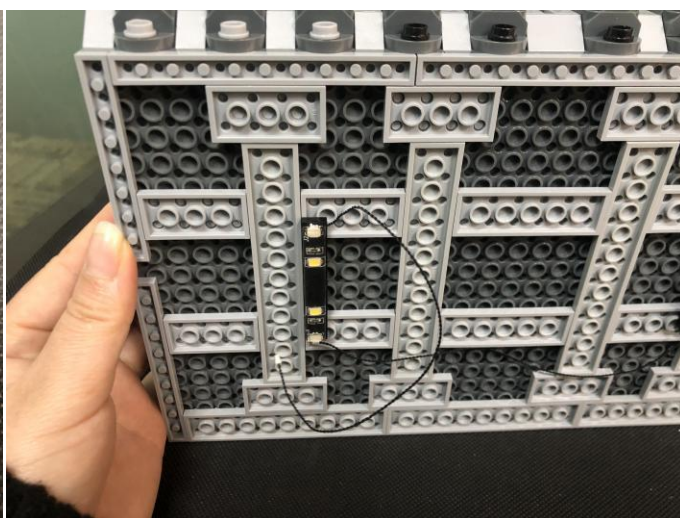


Connect the strip lights to the roof as per below.

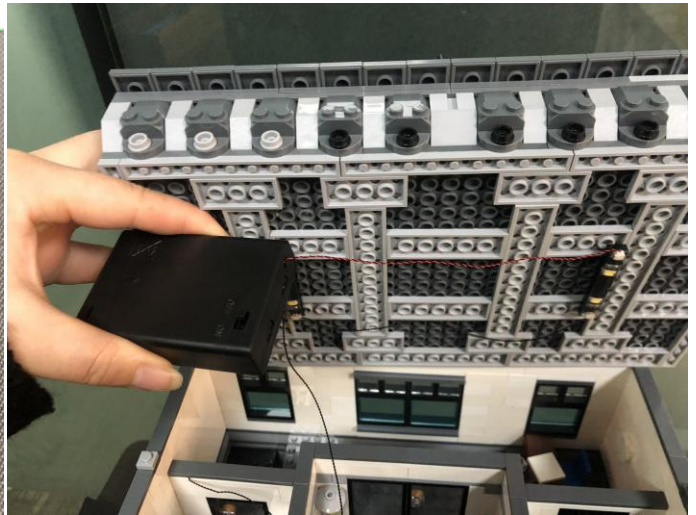
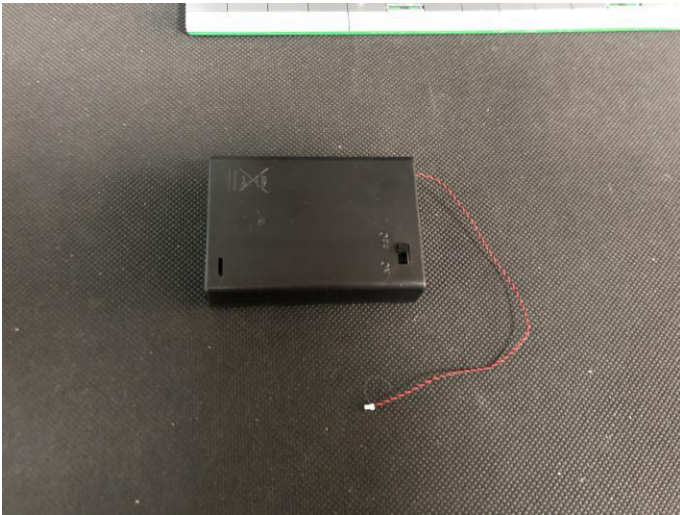




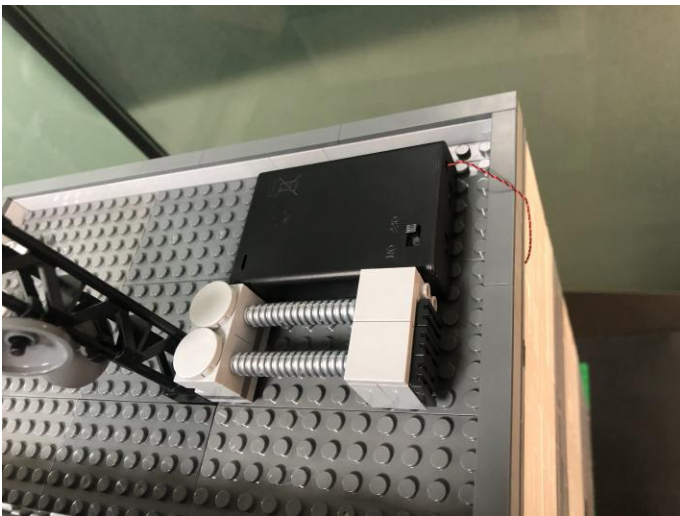
Take a 15cm connecting cable, connect it to the strip light at the left, connect the other end to the expansion board.



Take the battery pack, connect its cable to the strip light at the right side.



Reconnect the roof, place the battery pack on the rooftop.



This completes installation of this LED Lighting Kit. ENJOY!



