

**Package Contents:**

1 x White Column Street Light

10x 30cm white light lamp grain

7 x Warm White LED Light Strips

6x 15cm cable

3x 30cm cable

3x 6 port socket

1 AAA battery box (3 AAA batteries are required)

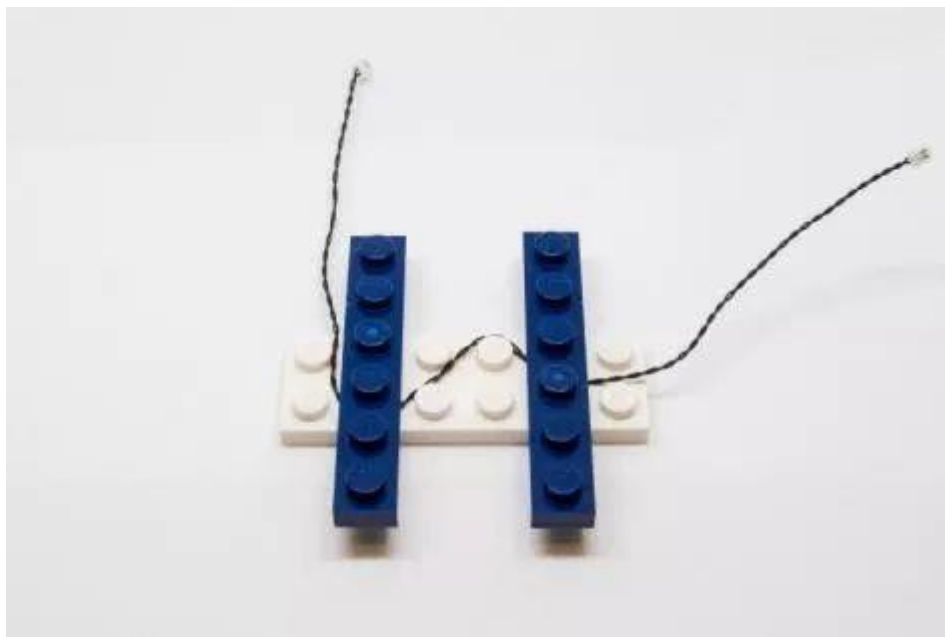
Several building block parts

**Notes** (the pictures in this paragraph are for demonstration purposes only and are not the parts of this set) :

**Wiring above and below the board**

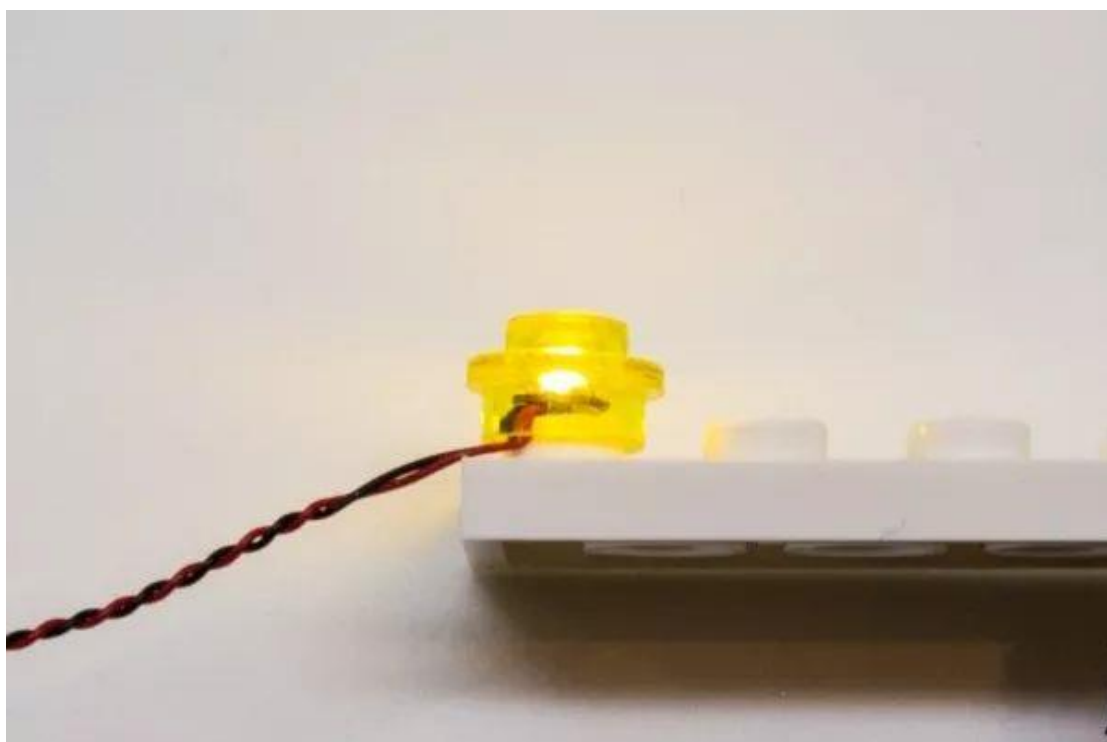
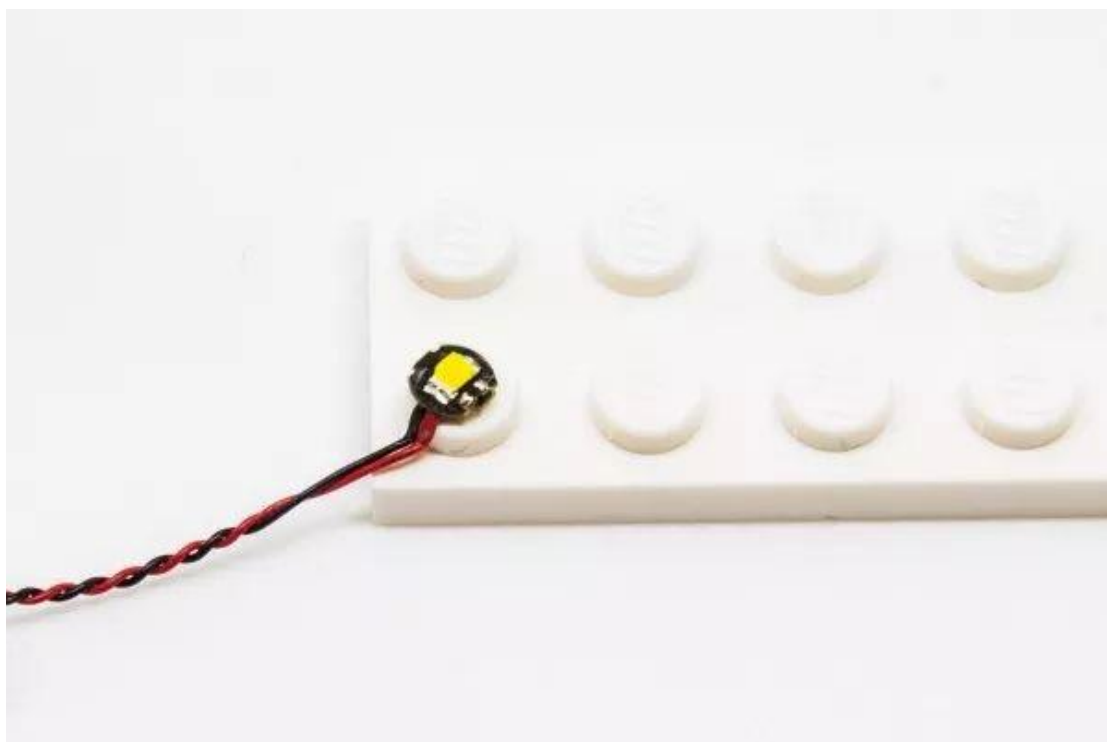
Wires can be run between boards or underneath boards, but they must be placed correctly between studs.





#### **Install light particles on building blocks**

Make sure they are positioned correctly (with the yellow LED assembly exposed). You can place them directly on top of the studs or in between.

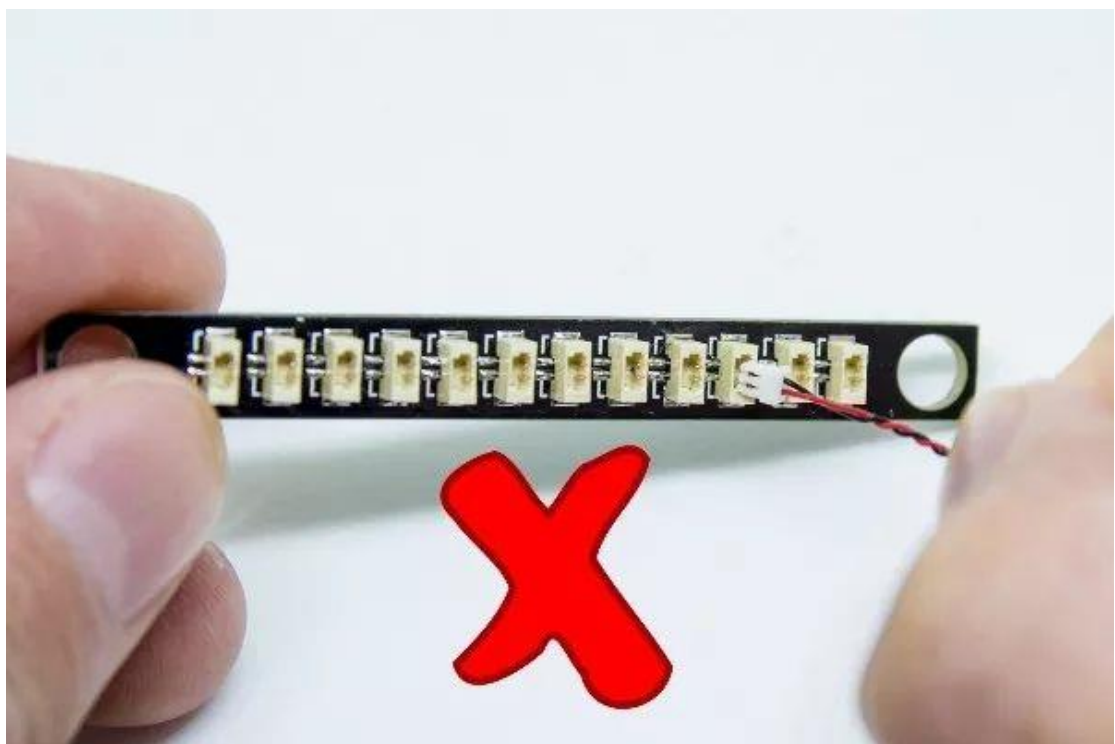
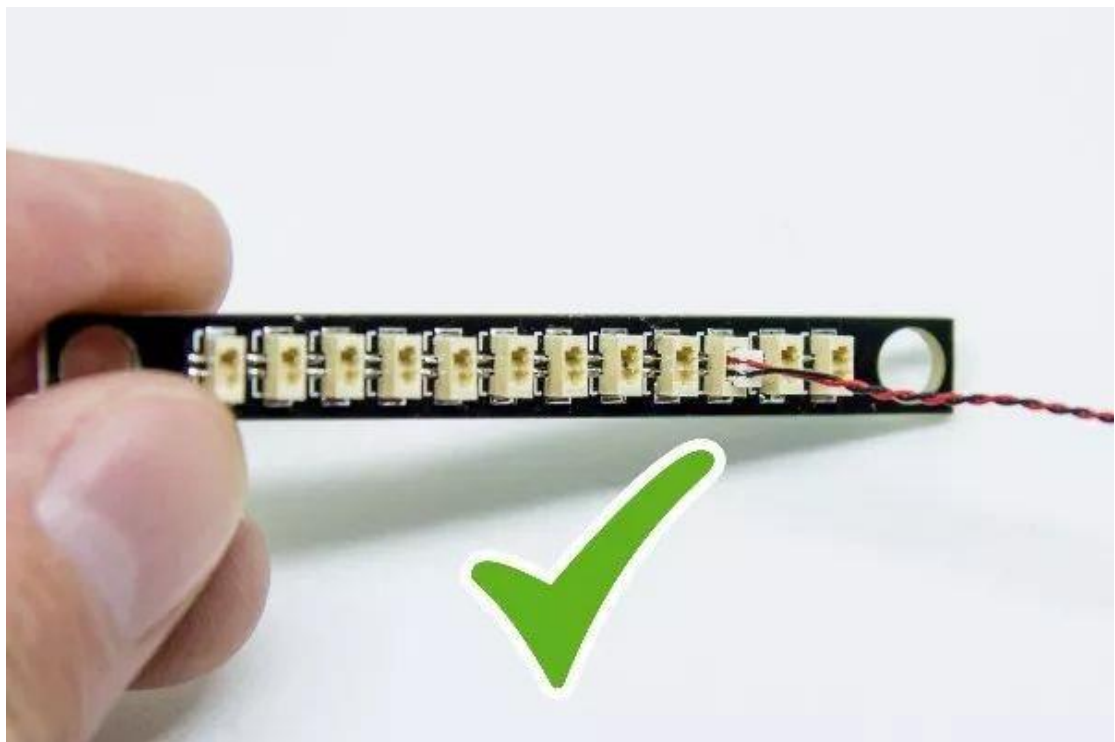




#### **Connect the electrical outlet to the socket**

Be extremely careful when inserting the wire plug into the outlet; the plug only goes in one way. With the plug facing up, look for the soldered "=" symbol on the left side of the port. The side of the plug with the exposed wires should be facing the soldered "=" symbol as you insert it into the port. If the plug does not fit easily into the port, do not force it.

Inserting the socket incorrectly may cause the pins inside the port to bend or may cause the socket to overheat when connected.



### **Connect the wires to the light strip**

Be extra careful when inserting the wires into the light bar connector. The plug can only be inserted one way. Place the light bar with the light-emitting side facing up and make sure the side of the plug with

the wires exposed is facing down. If the plug does not easily fit into the connector, do not force it in. This can damage the connector and the plug.

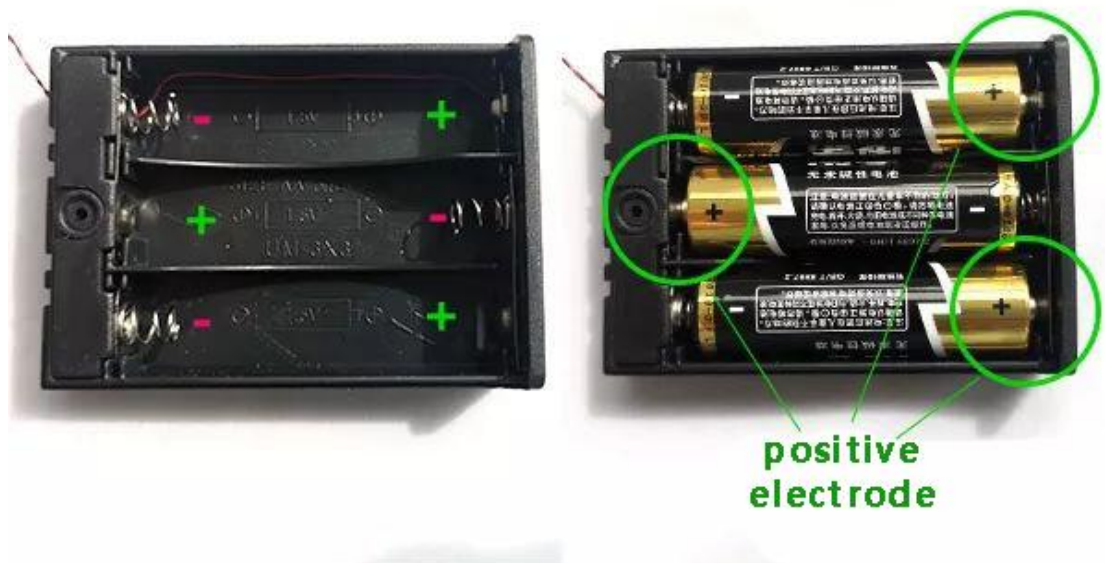
## The correct connection method of the light bar



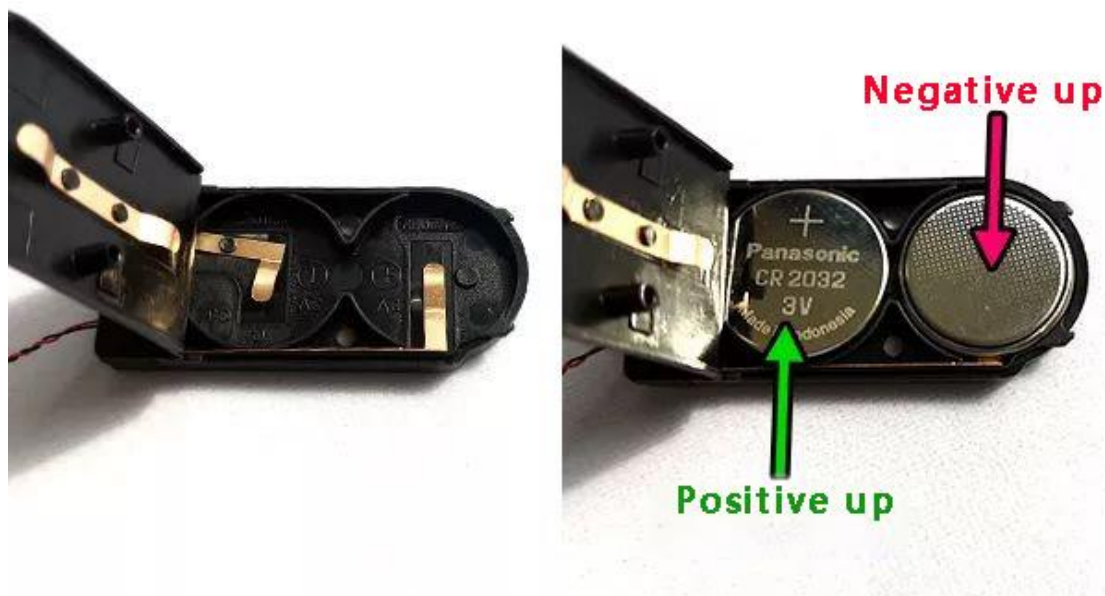
**Insert the battery into the battery compartment**

The specifications of several battery boxes are different, please pay attention to the positive and negative poles of the batteries.

### AA battery box Correct battery installation



### Button battery box (flat) battery correct installation method



**Button battery box (round)  
battery correct installation**



**2 batteries  
positive side up**

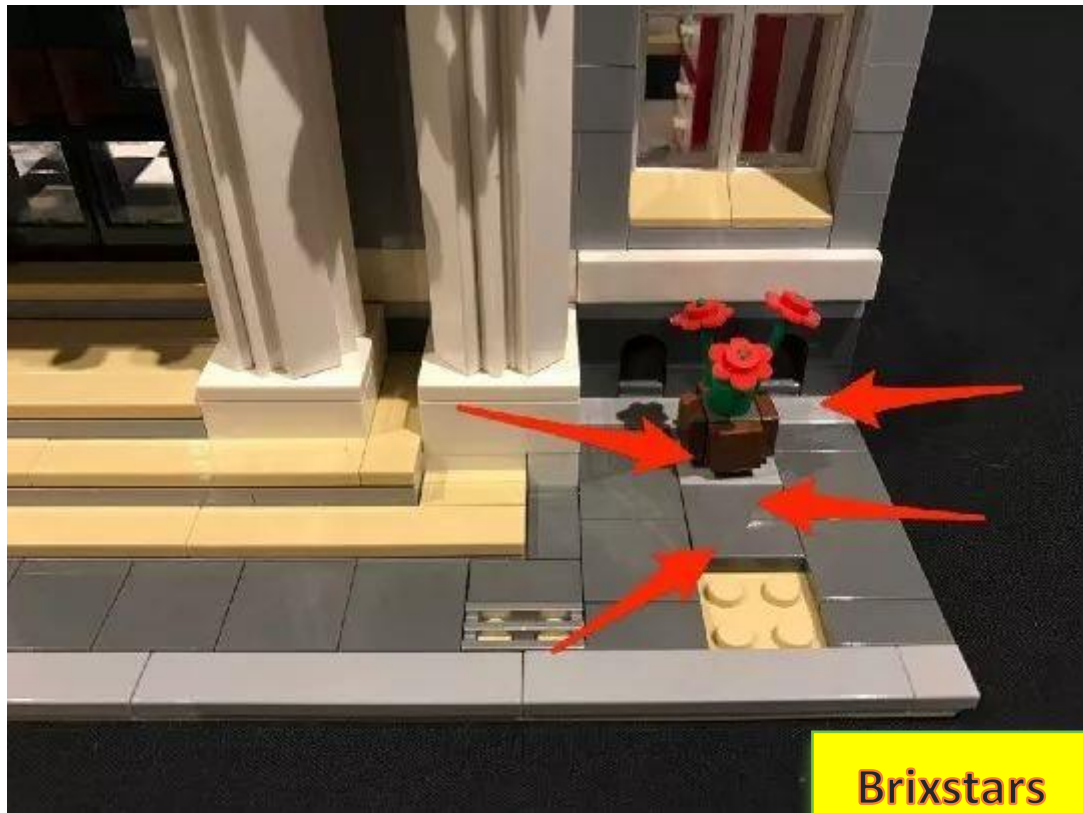


### Installation Instructions

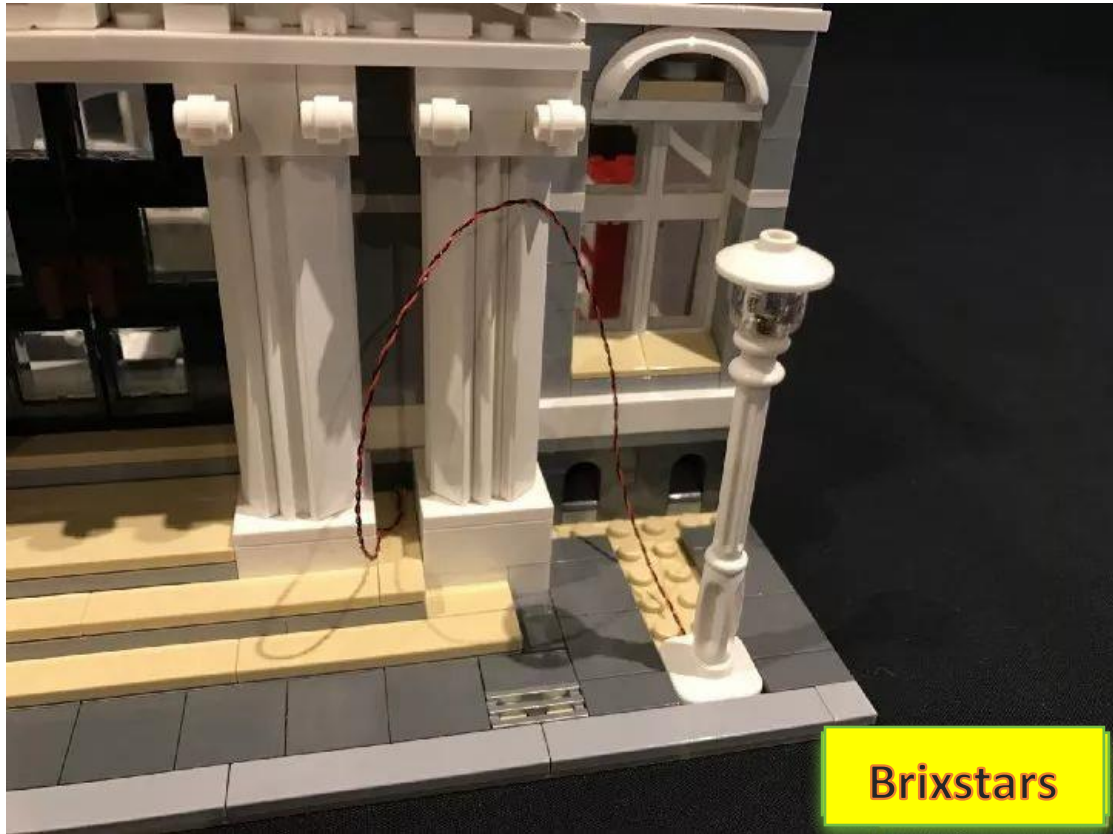
1.) This set of lighting fixtures is installed from the ground up, first removing the second and third floors of the building, then removing the lamp posts.



2.) Remove the following floor tiles



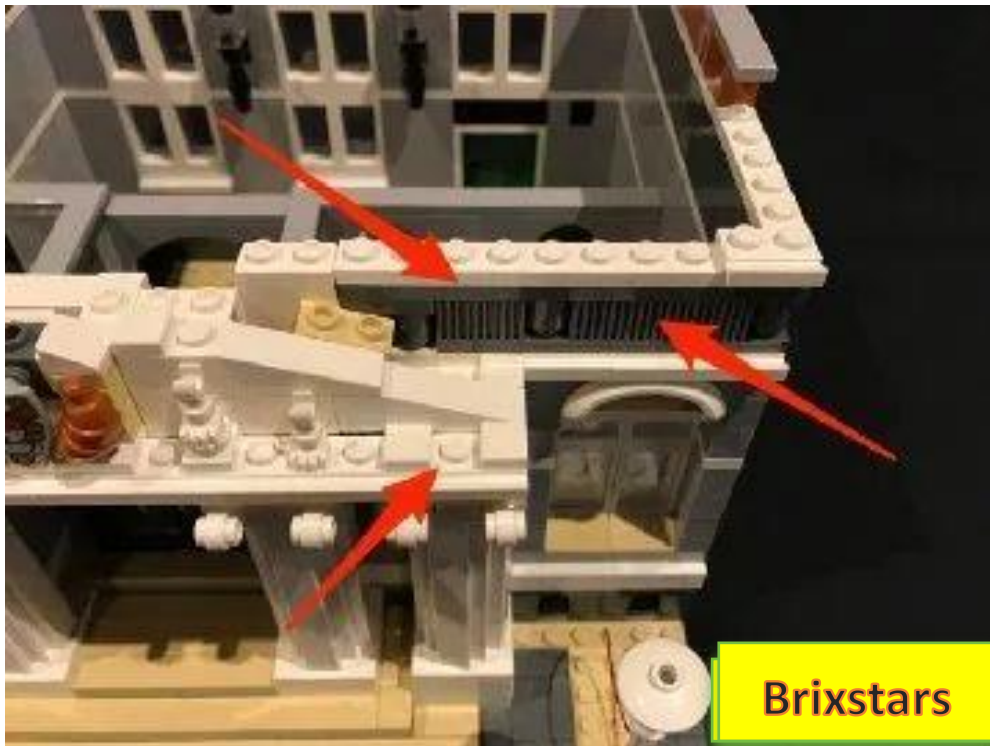
3.) Replace the **original lamp post** with a **lamp post with a light** , making sure the wires are facing the building.

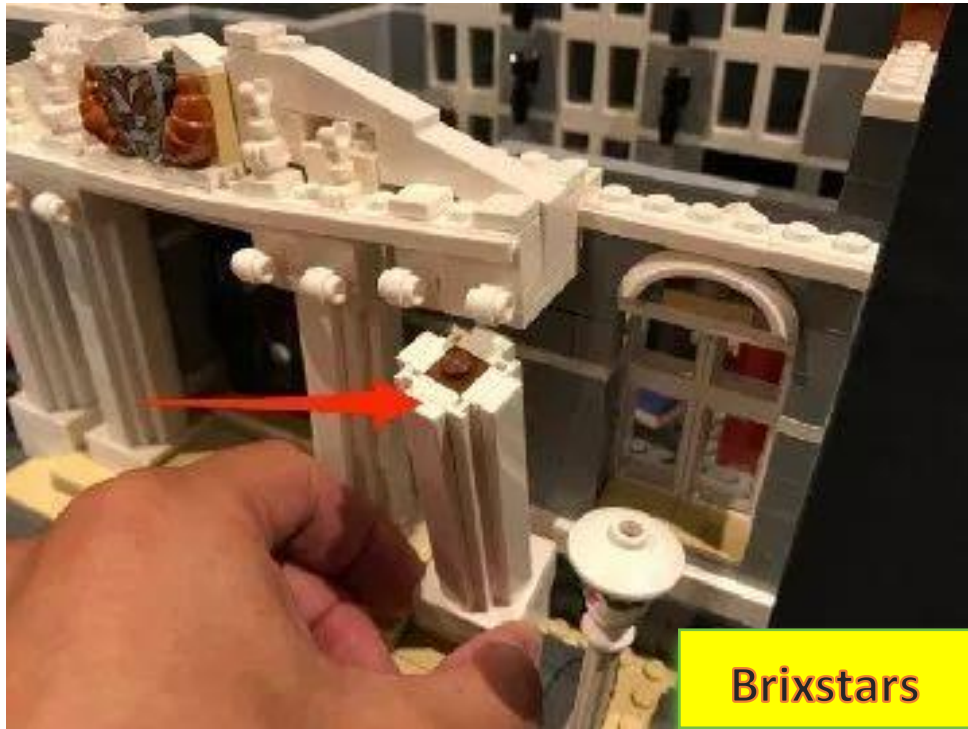


4.) We need to run the wires into the building. First remove some of the parts shown in the picture below.









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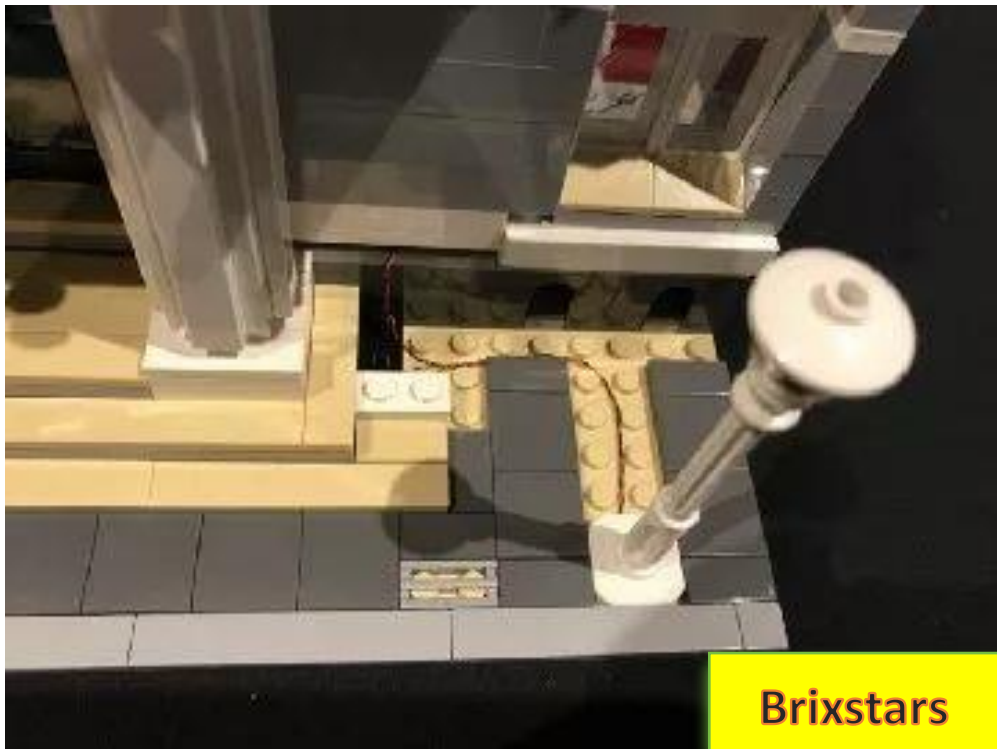
5.) Use the Lego removal tool to raise a gap in the building so that we can feed the lamp post wires through.



6.) Before we pull the lamp post wires completely out from inside the building, carefully pass the wires between the studs. Restore the parts we removed earlier.







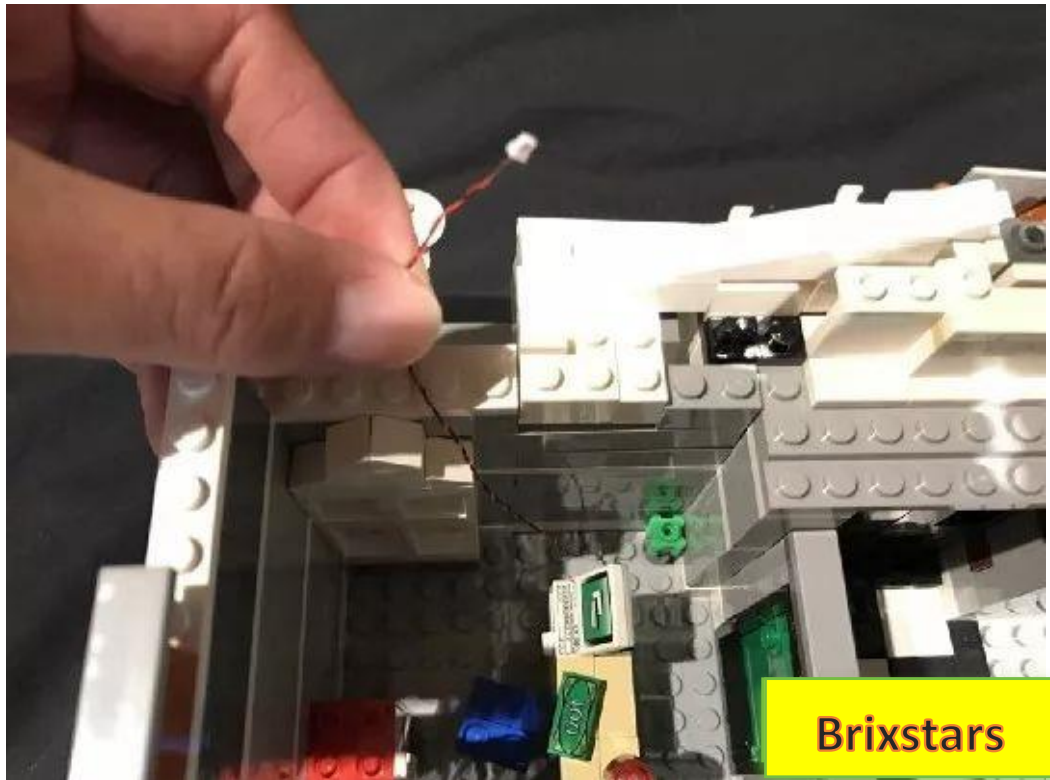
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- 7.) Pull the lamp post wires from inside the building and restore the wall gap.  
Make sure to place the wires between the studs to avoid damaging the wires.



Restore the white 1x3 bricks, and then restore the pillars we removed earlier.

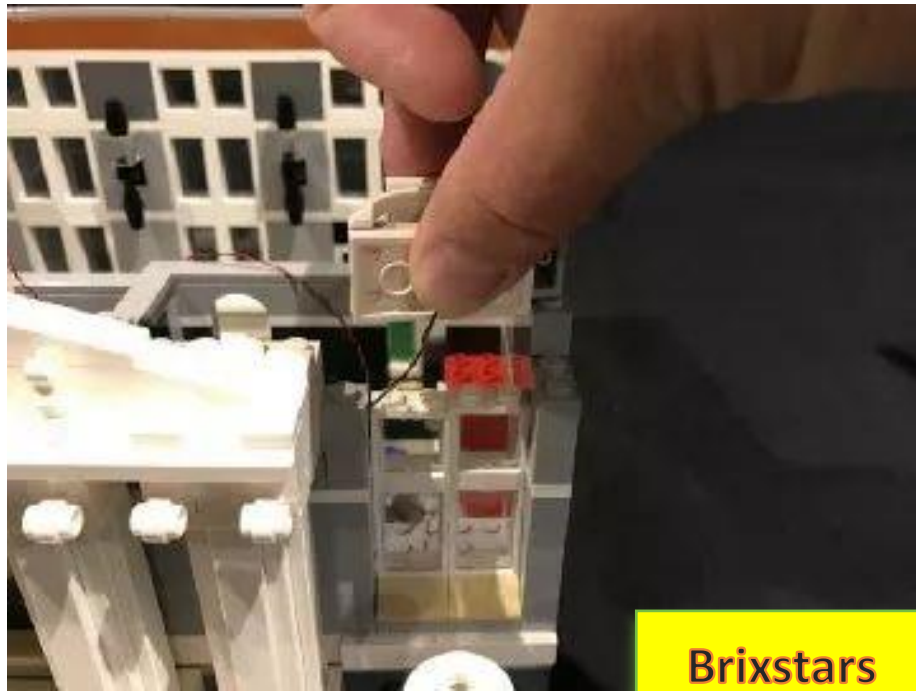




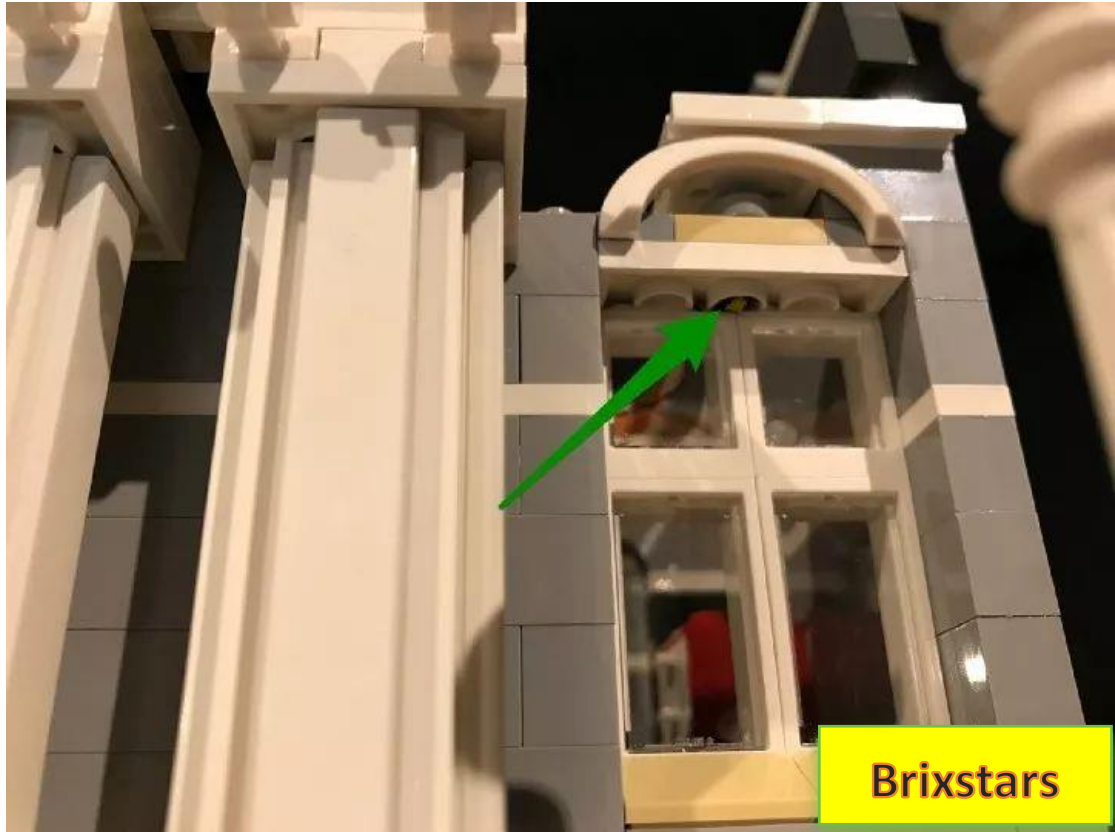
8) Now we will mount the light fixture at the top of the window closest to the lamp post. Remove the 2x4 white board that came with it.



Take a 30cm white light pellet and place it in the center of the middle hole with the **light-emitting side facing outward** . With the wires facing backward, hold the pellet down with your hand and return the 2x4 board to the top of the window.



After restoration, the light particles can be seen from the outside



9.) Remove the front parts of the building in the following order:

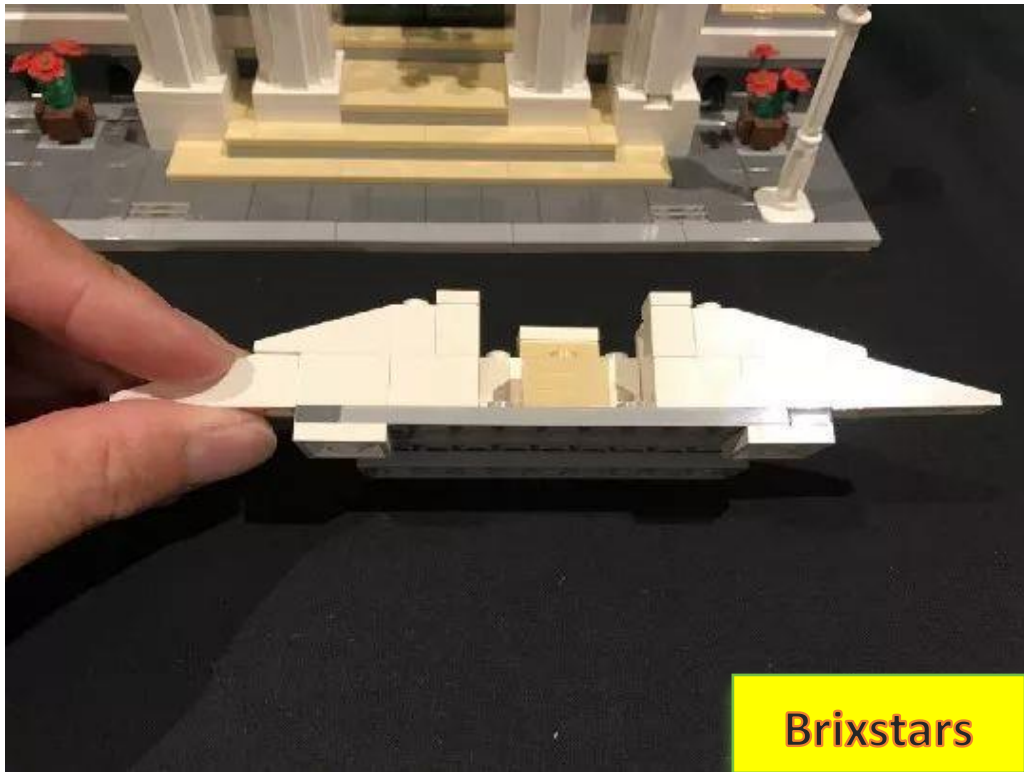


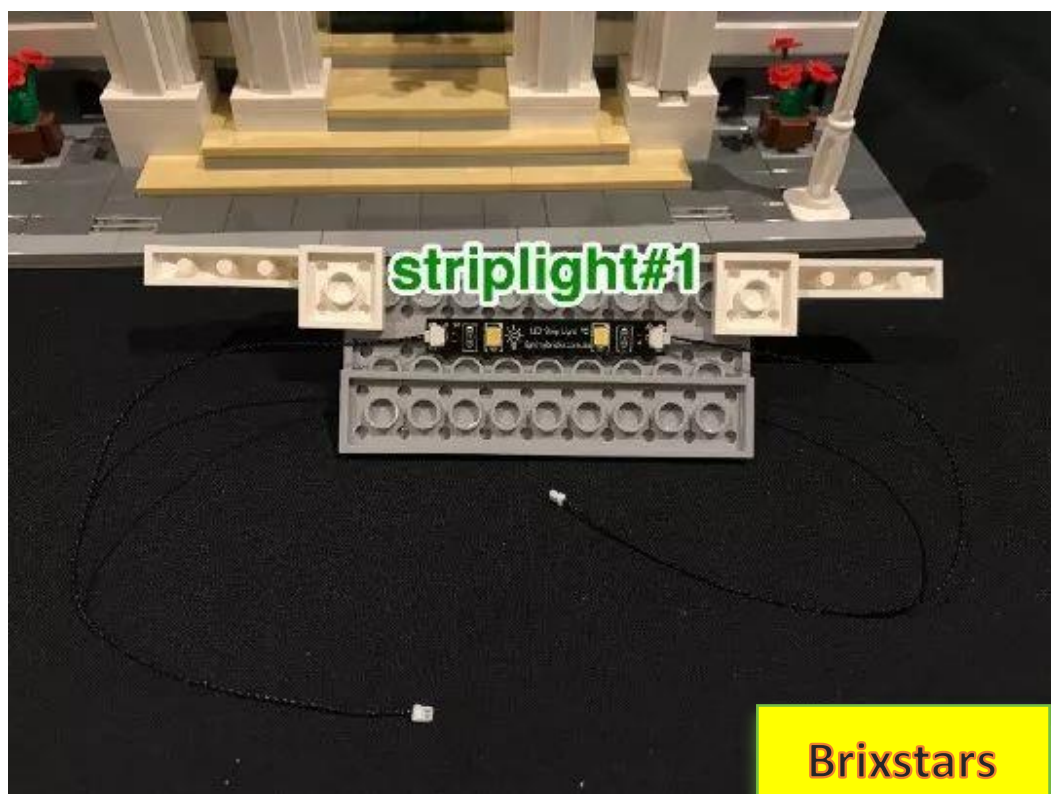






10.) Take out the parts shown below and stick **the LED strips** to the following locations. Because there are multiple strips, we will call it **Strip #1**. Take two **15CM cables and connect them** to the two ports of **Strip #1**.





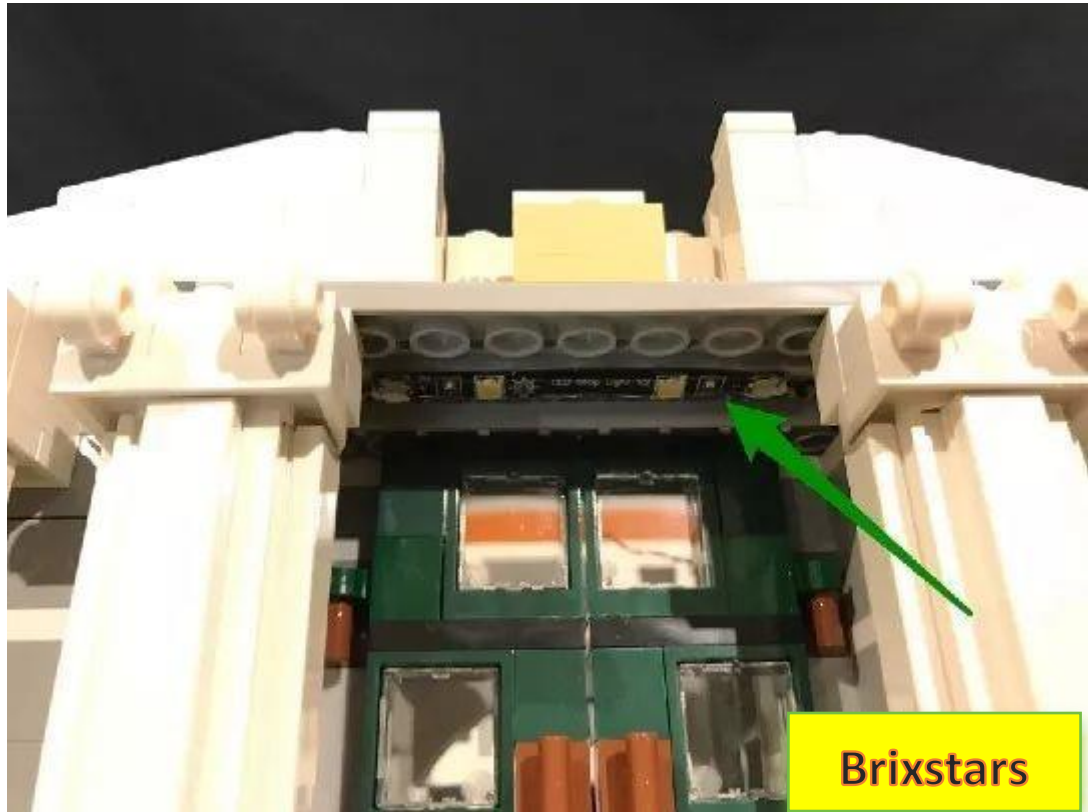
striplight#1

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Pull the 2 connecting wires to the back and restore this part to the front of the building, then restore the parts that were removed previously.





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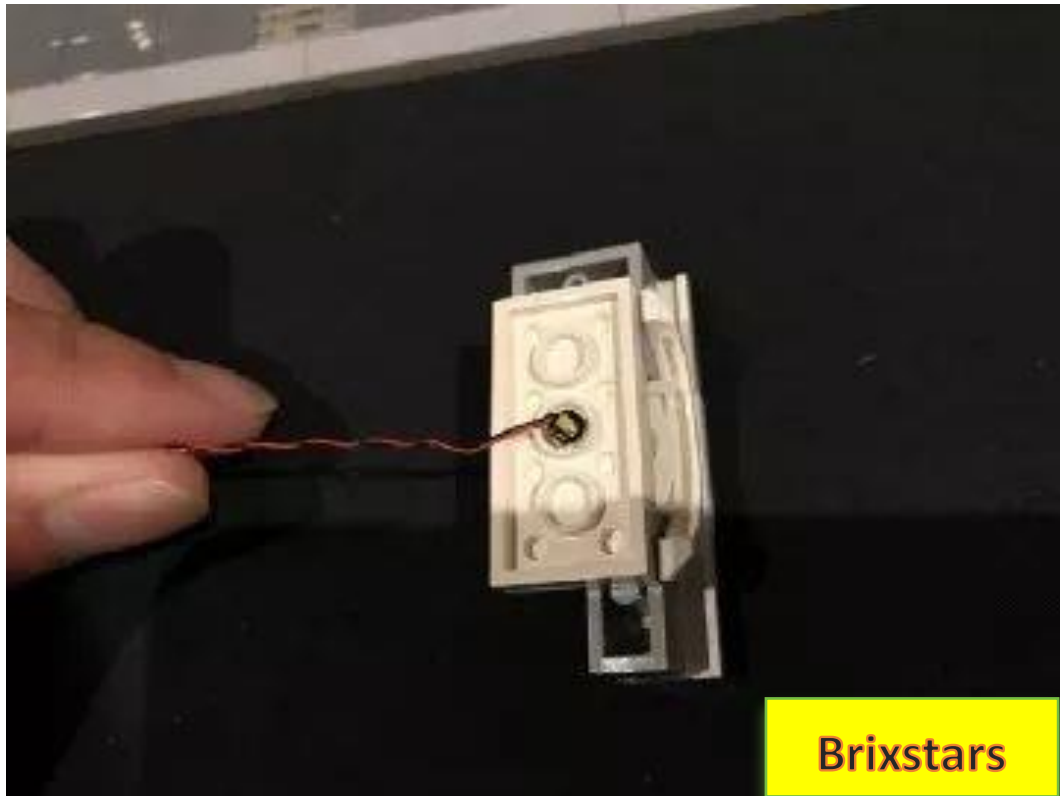


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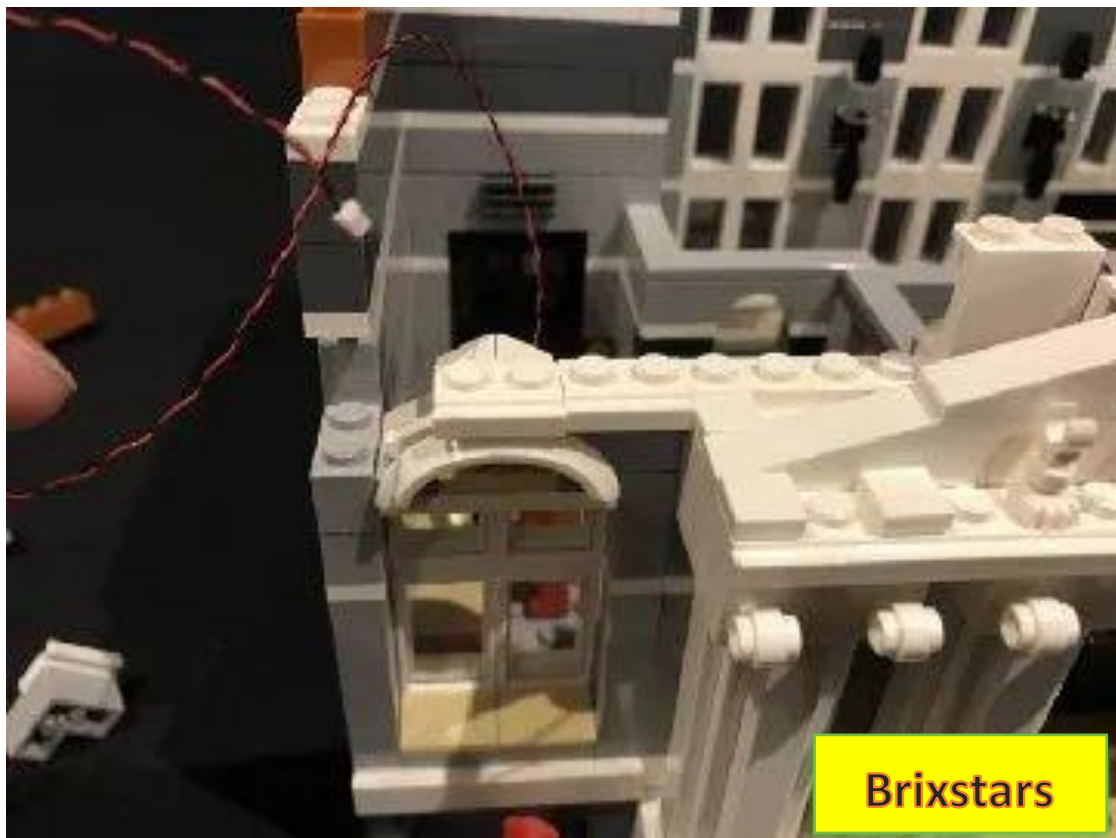
11.) Remove some parts around the left window and install another **30cm** white light bulb according to the method in step 9.







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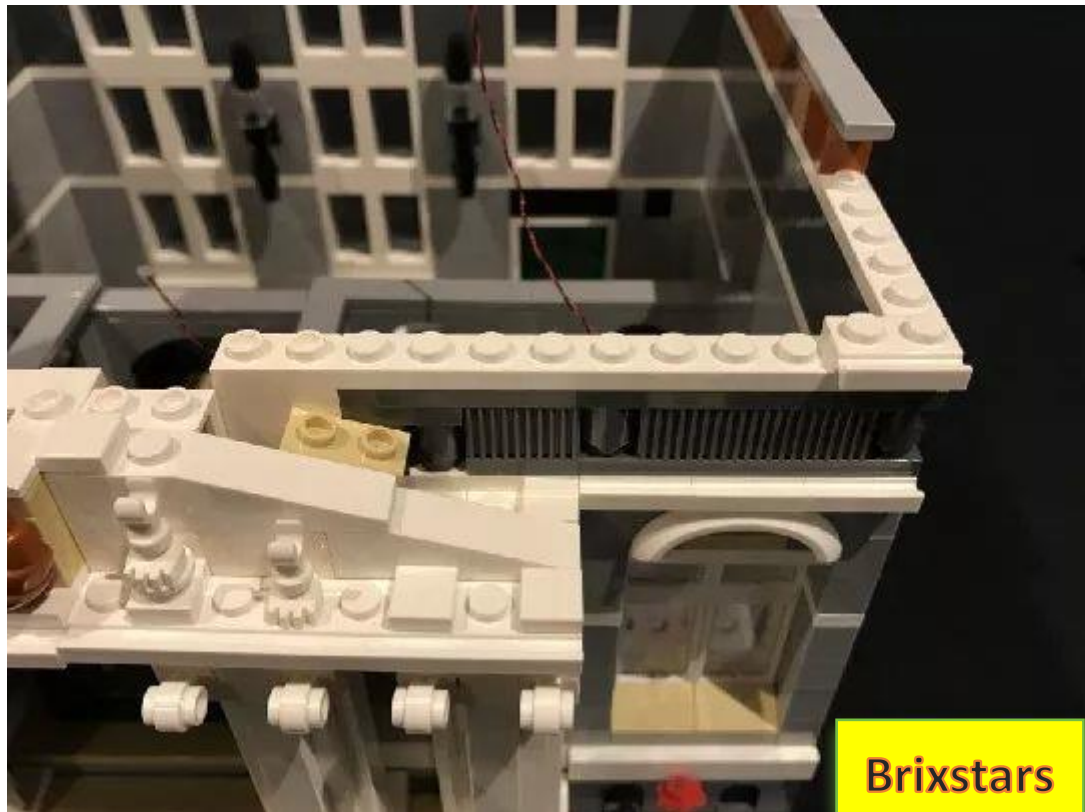


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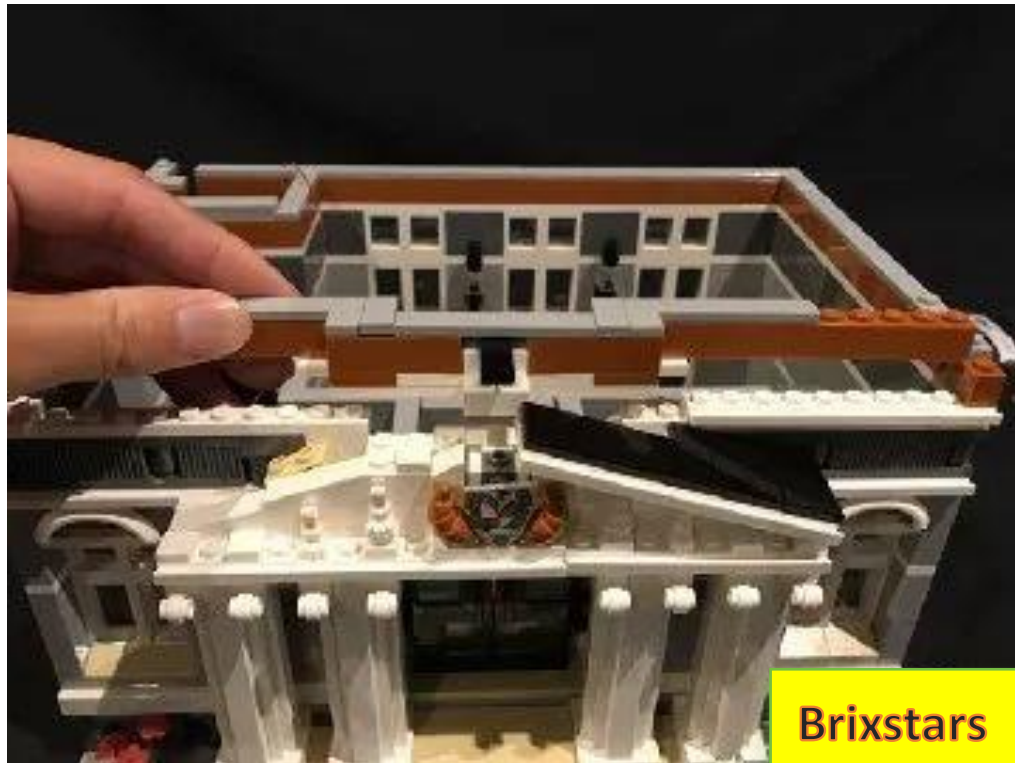


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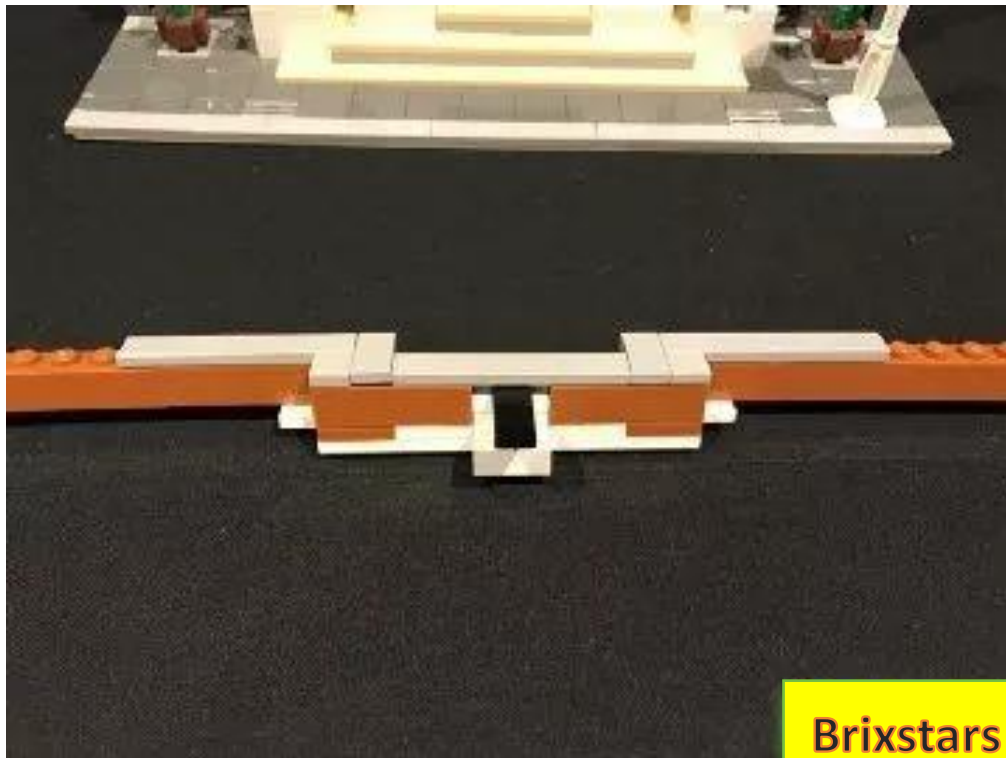
Now, restore the parts around the right window.



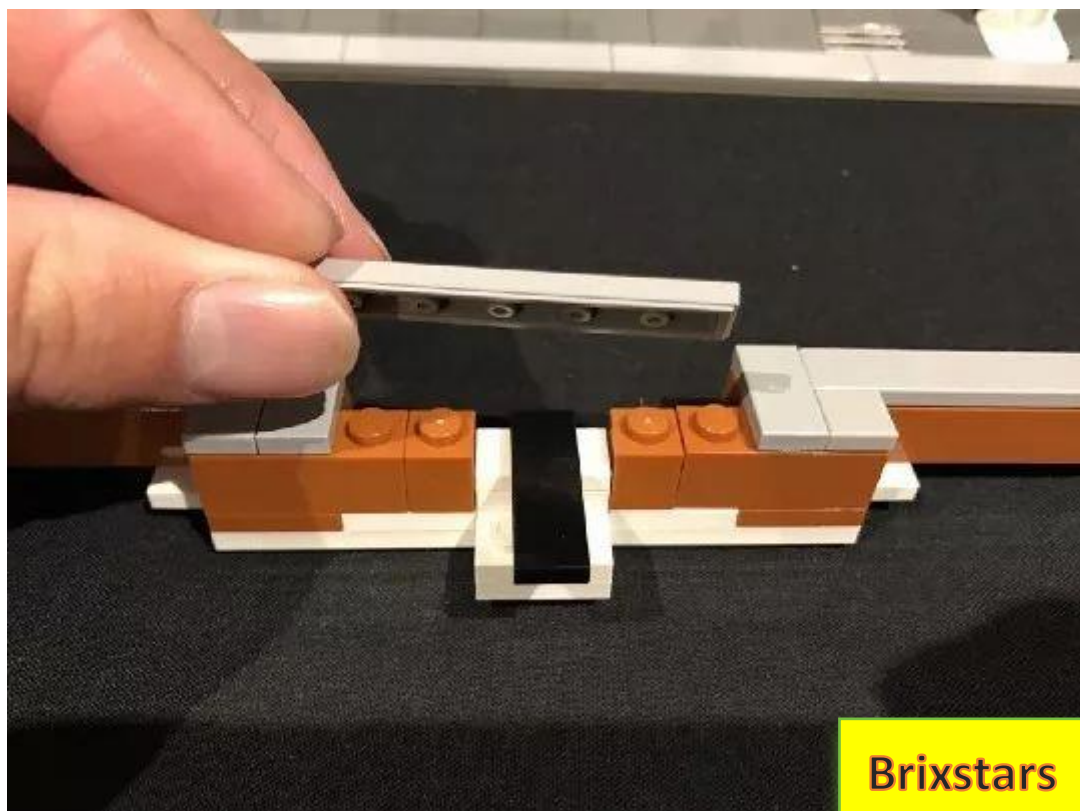
12.) Before restoring the front wall parts, we need to install another light particle in the middle. First remove the following parts.



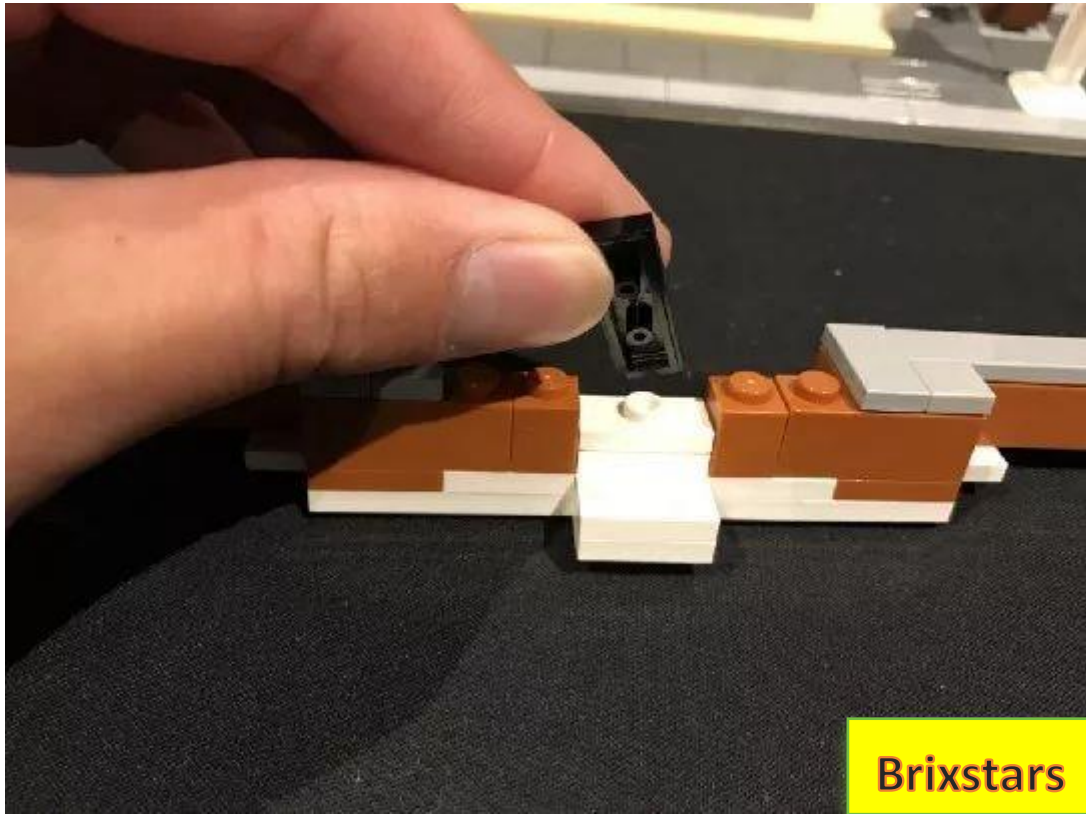




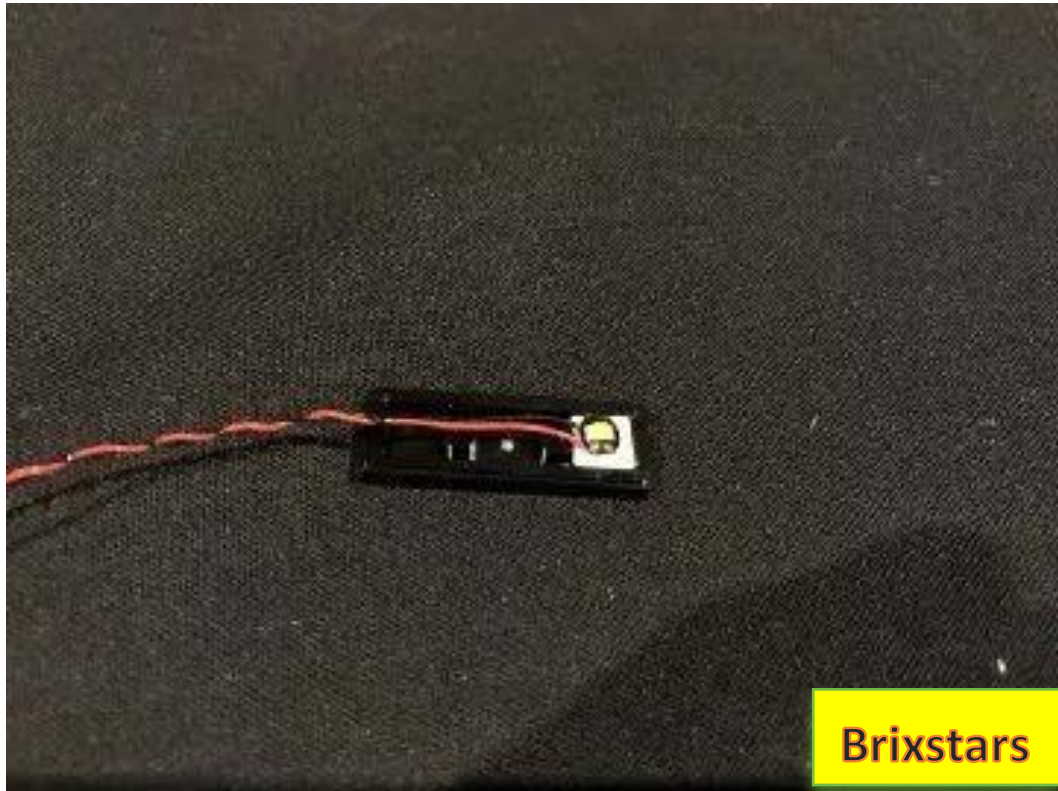
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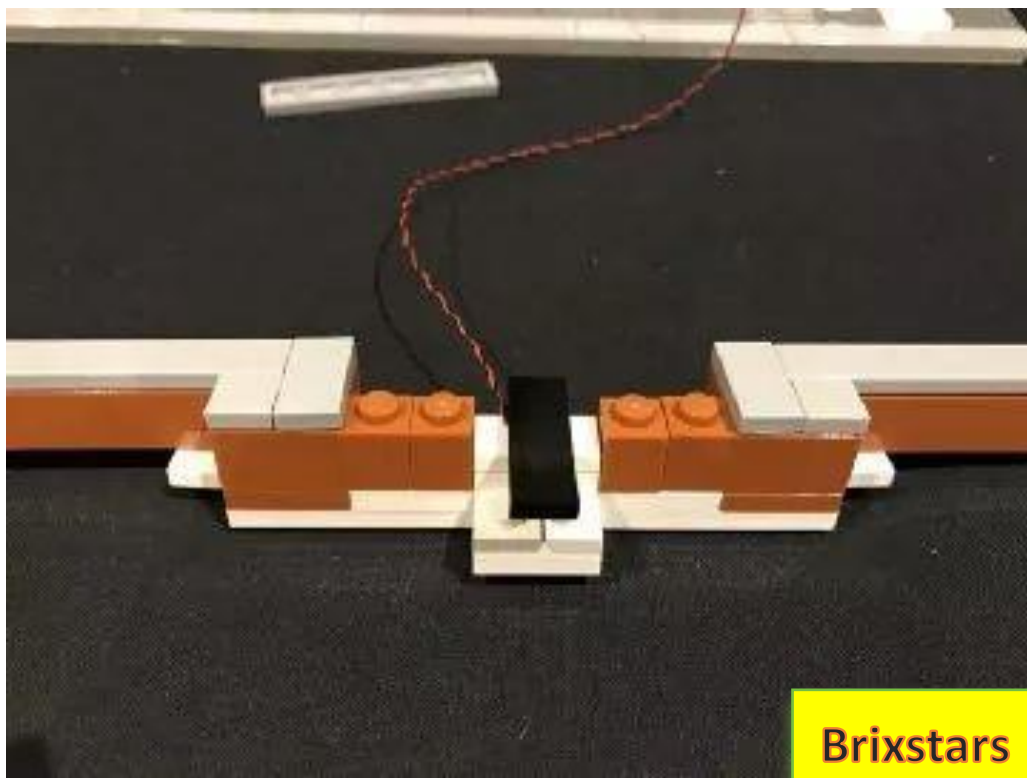
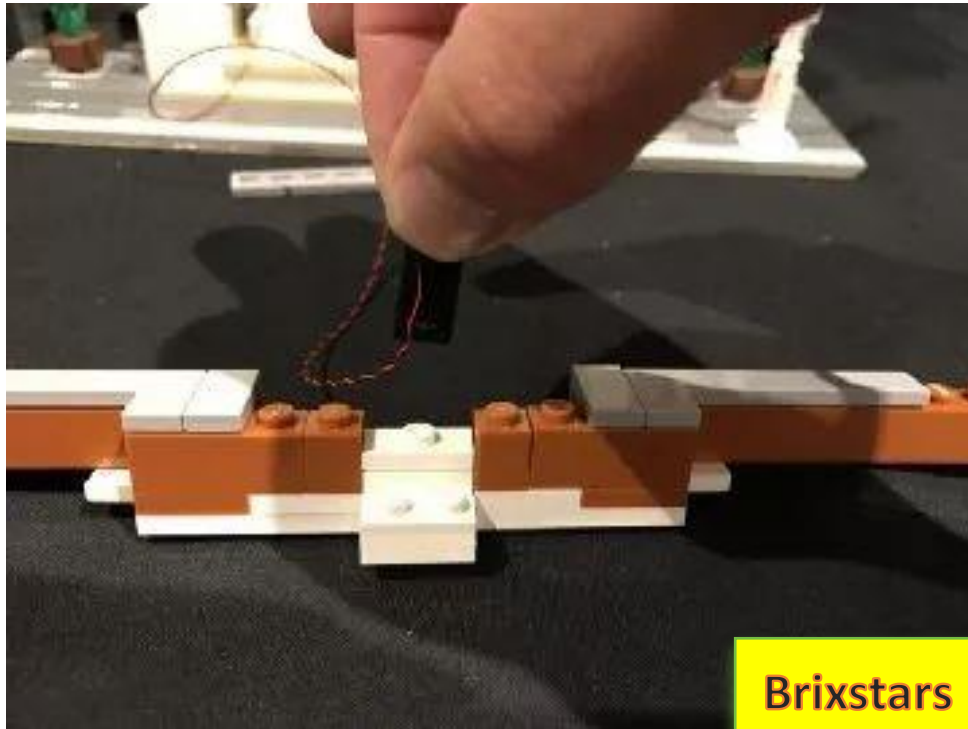


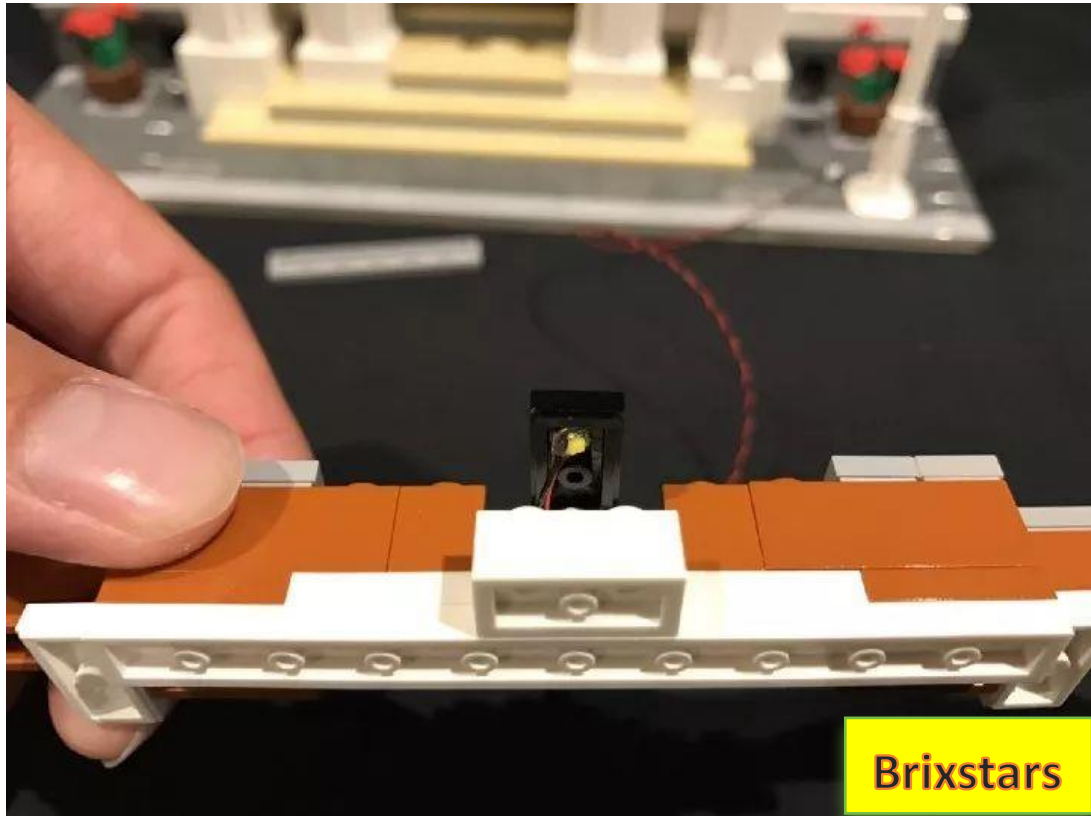
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13.) Take another **30cm light bulb** and stick it to the underside of the black board with **double-sided tape** . Put the board back together to make sure **the wires are at the back**.

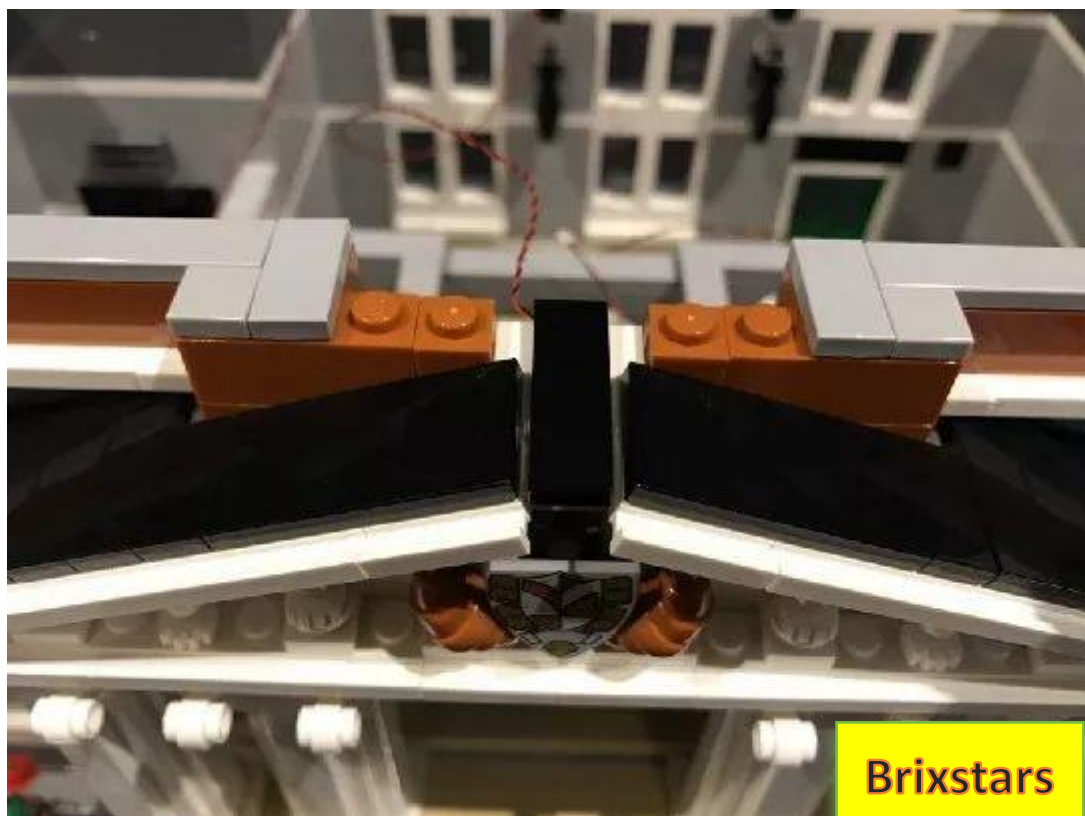
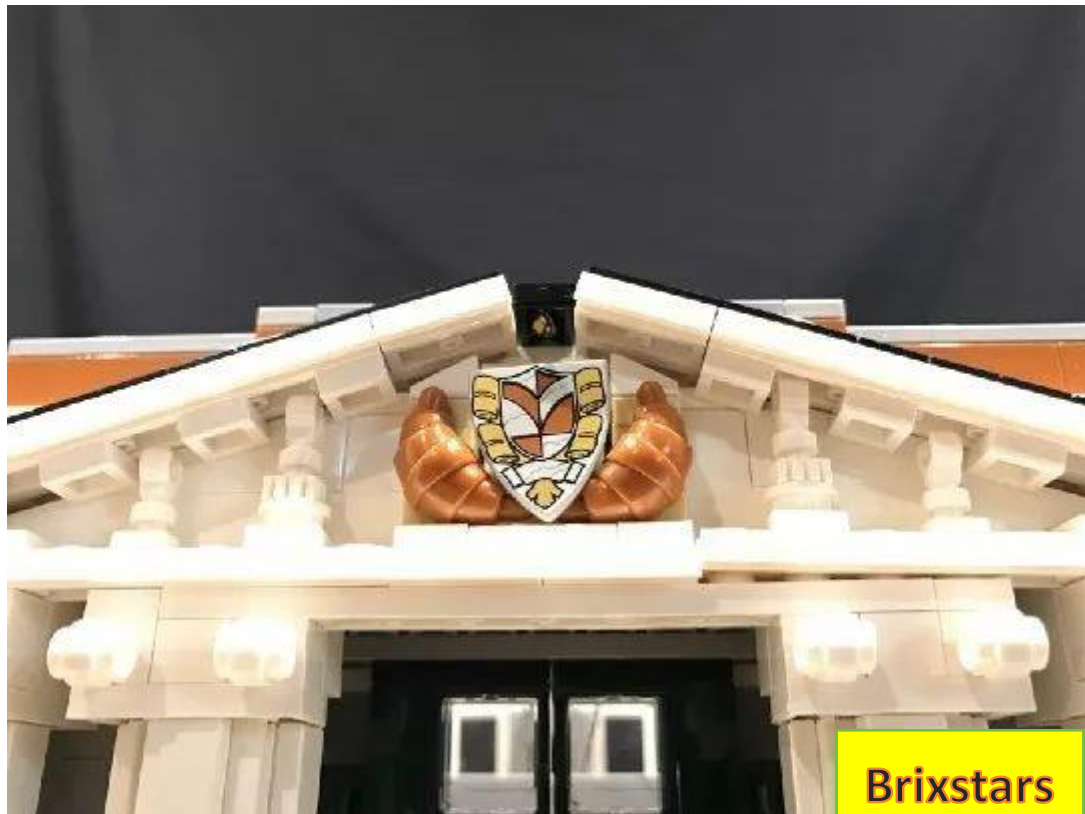








Restore this part, and all surrounding parts that were previously removed

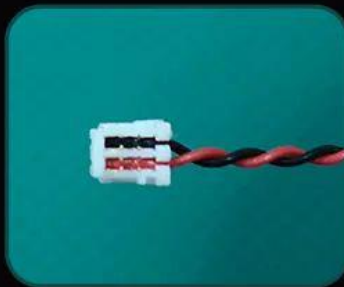




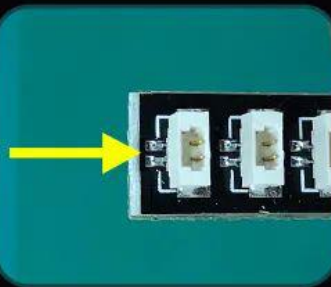
14.) Take a **6-port socket** and connect the 15cm cable from light strip #1 to the first port, then connect the light column wire, and then plug in the 3 light grain wires in sequence.

## Plug and socket connection method

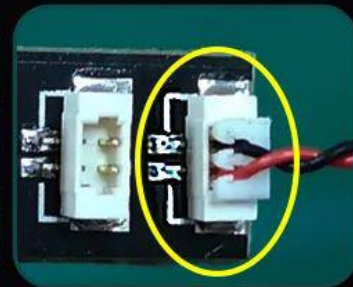
Align the "=" on the plug with the "=" side on the receptacle



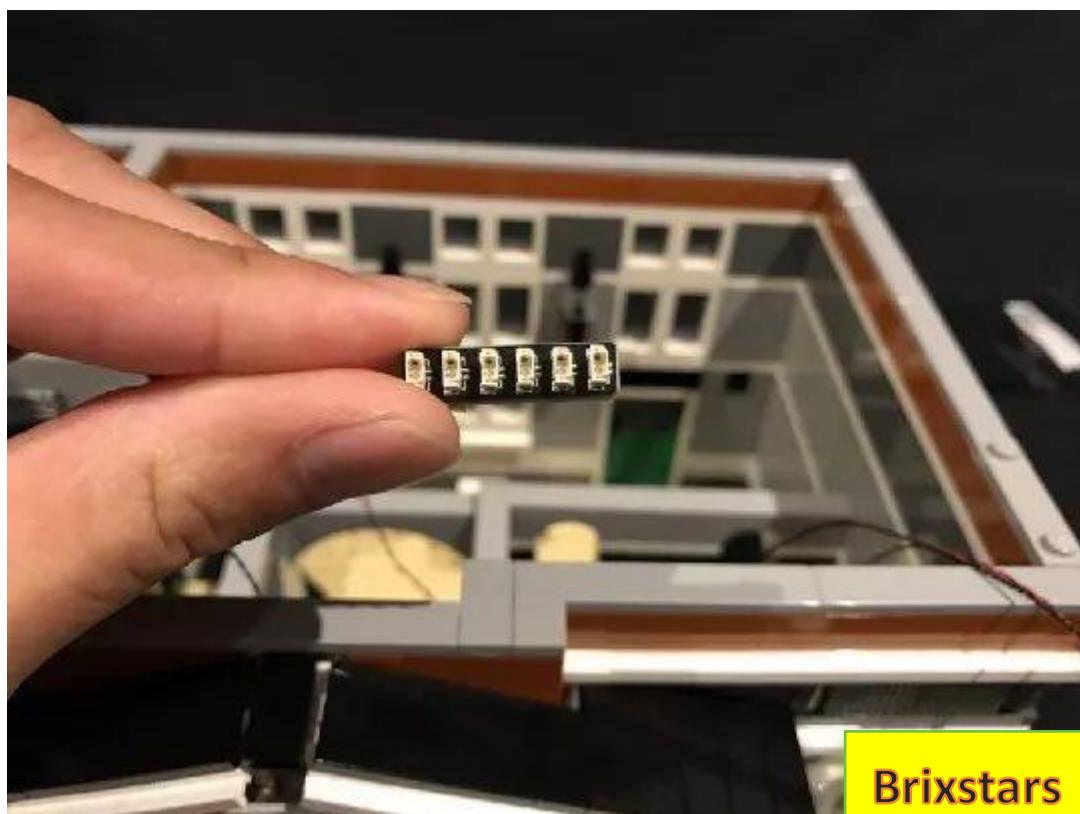
The "=" on the plug can clearly see one side of the line



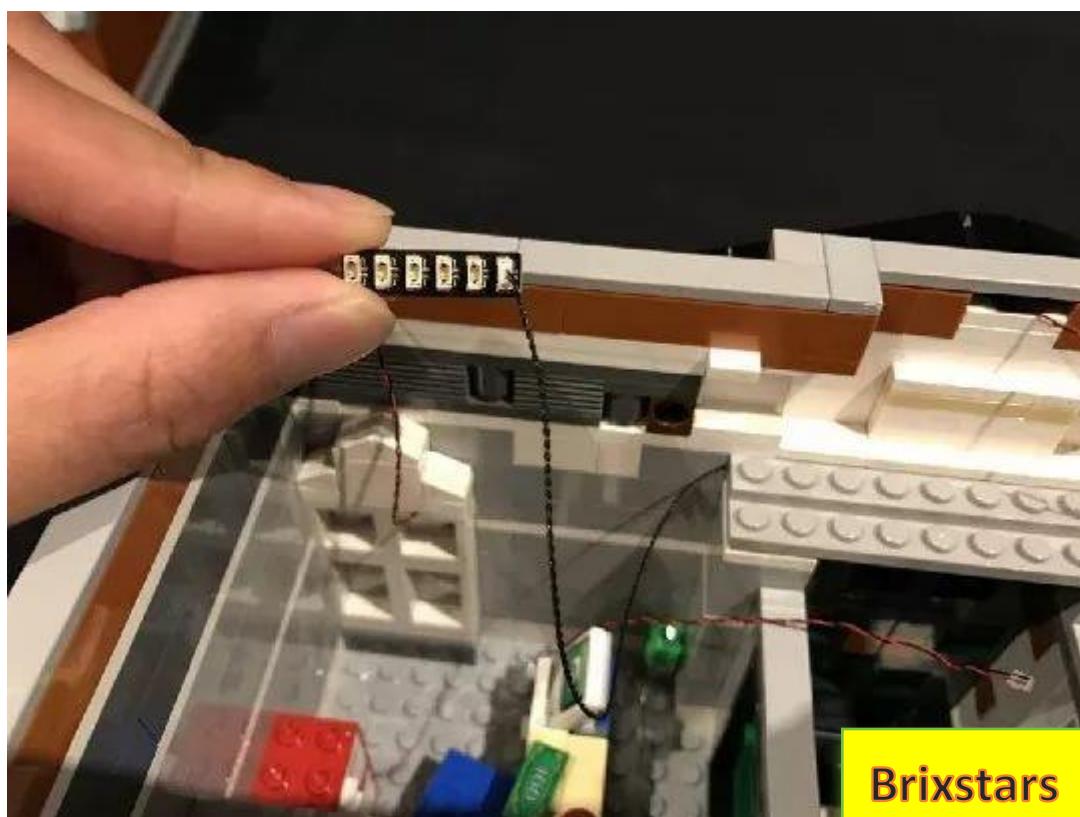
There are two silver dots next to the "=" socket on the socket



equal sign equal sign

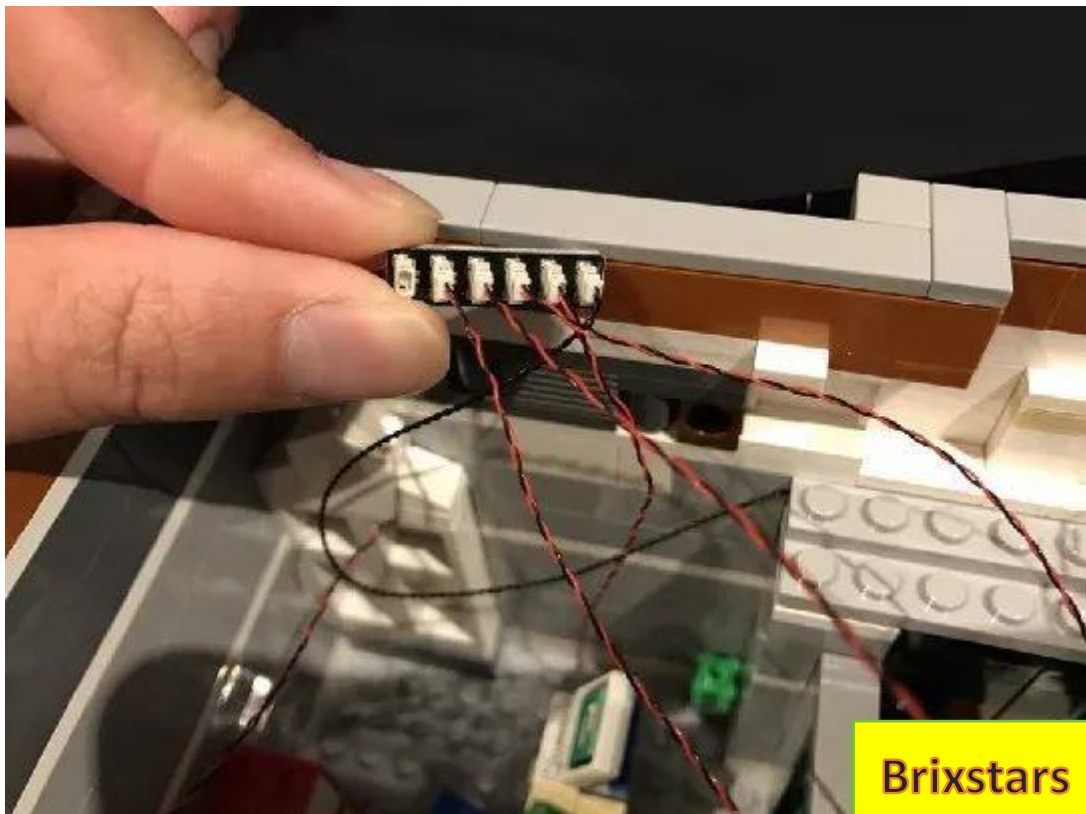
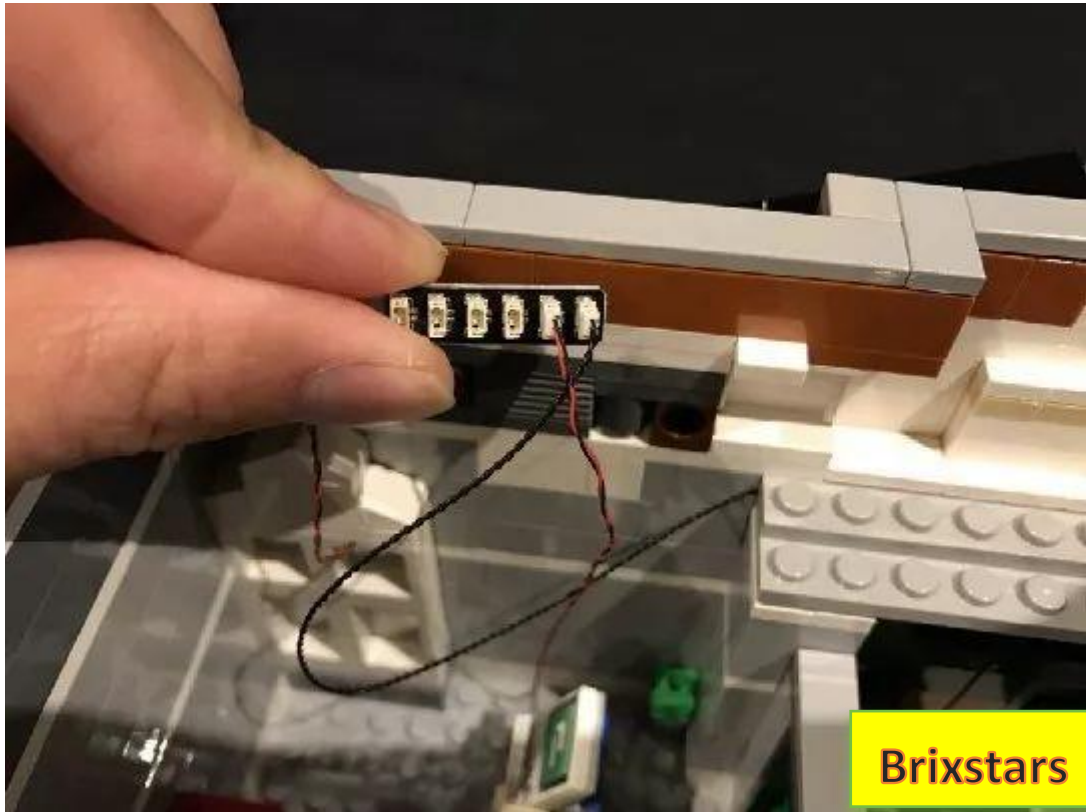


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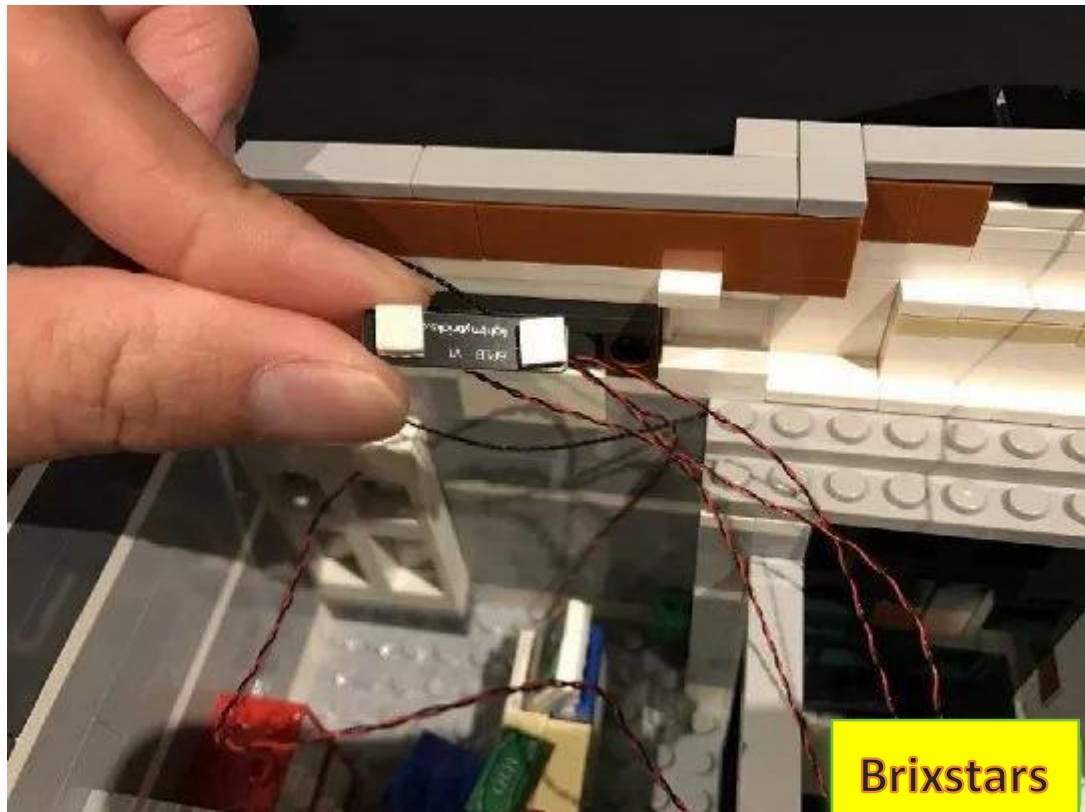


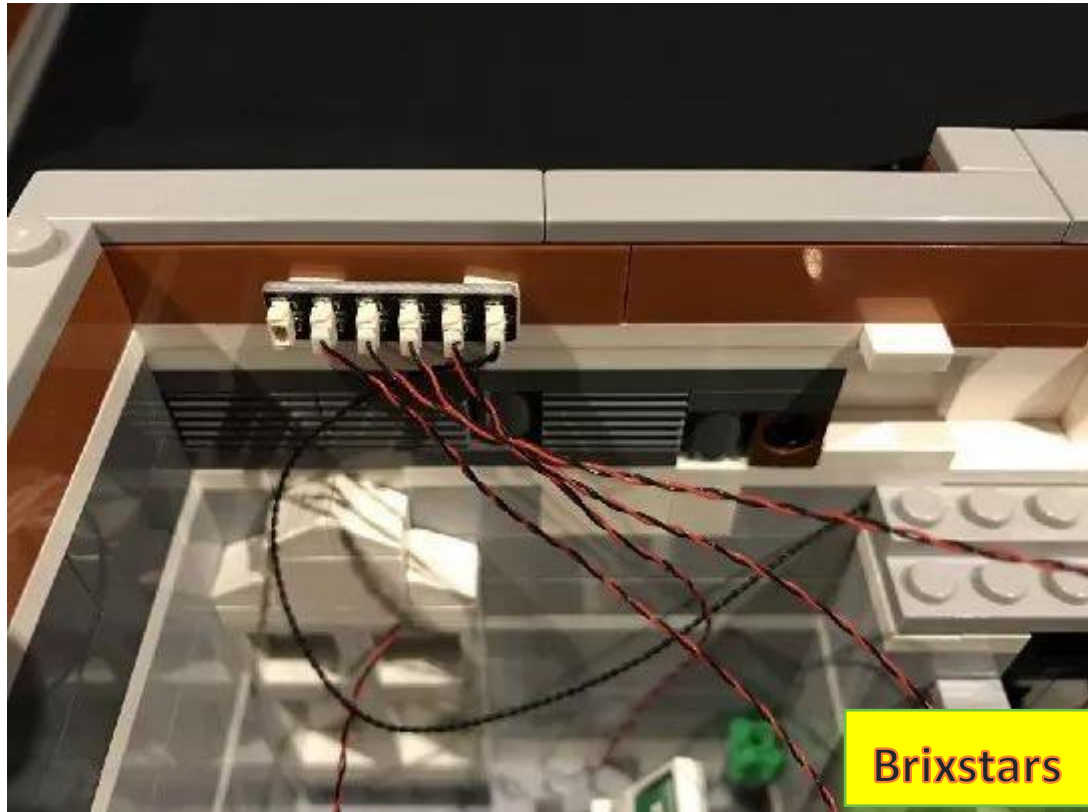
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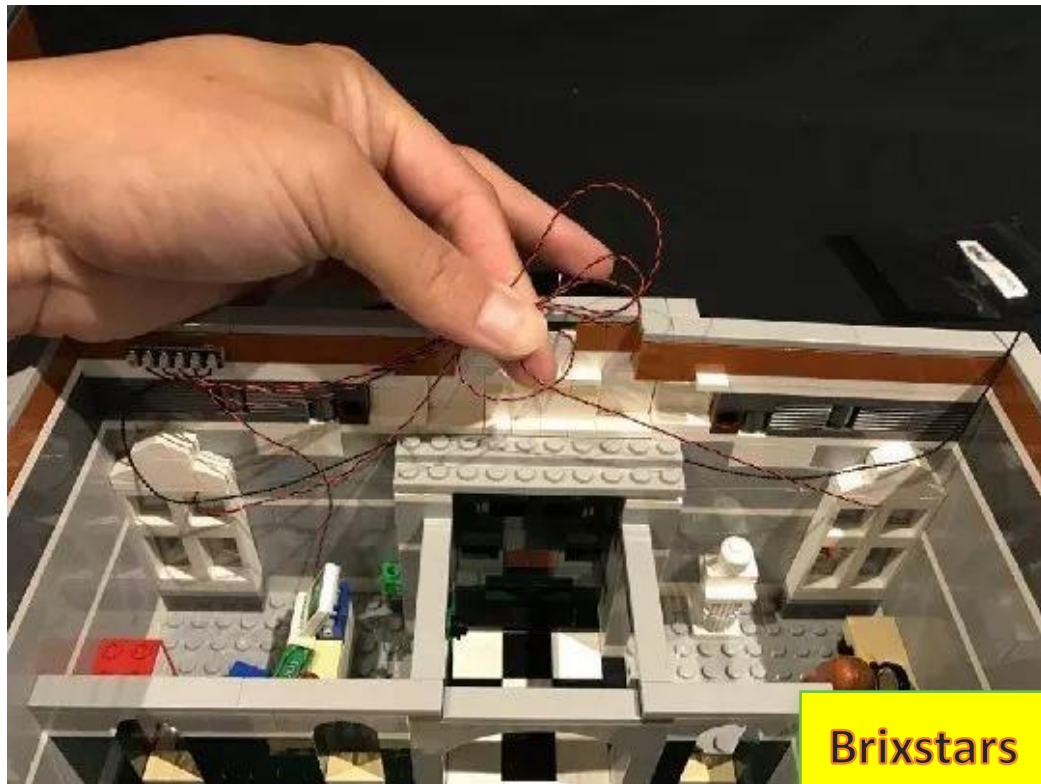


Use double-sided tape to secure the socket to the front inside of the wall as shown in the following image.

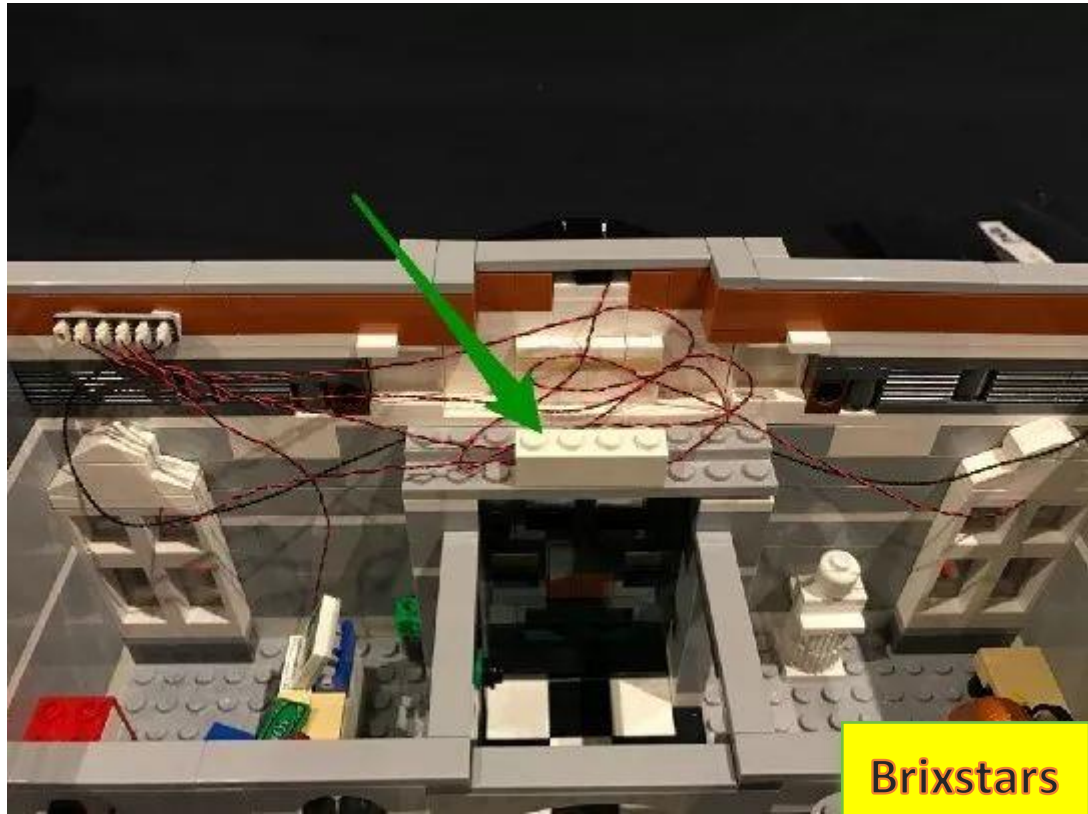




15.) Gather the extra wires, group them together and place them in the middle. You can use tape or LEGO parts you have on hand to secure them to prevent the wires from falling. Make sure the wires are not visible from the outside.

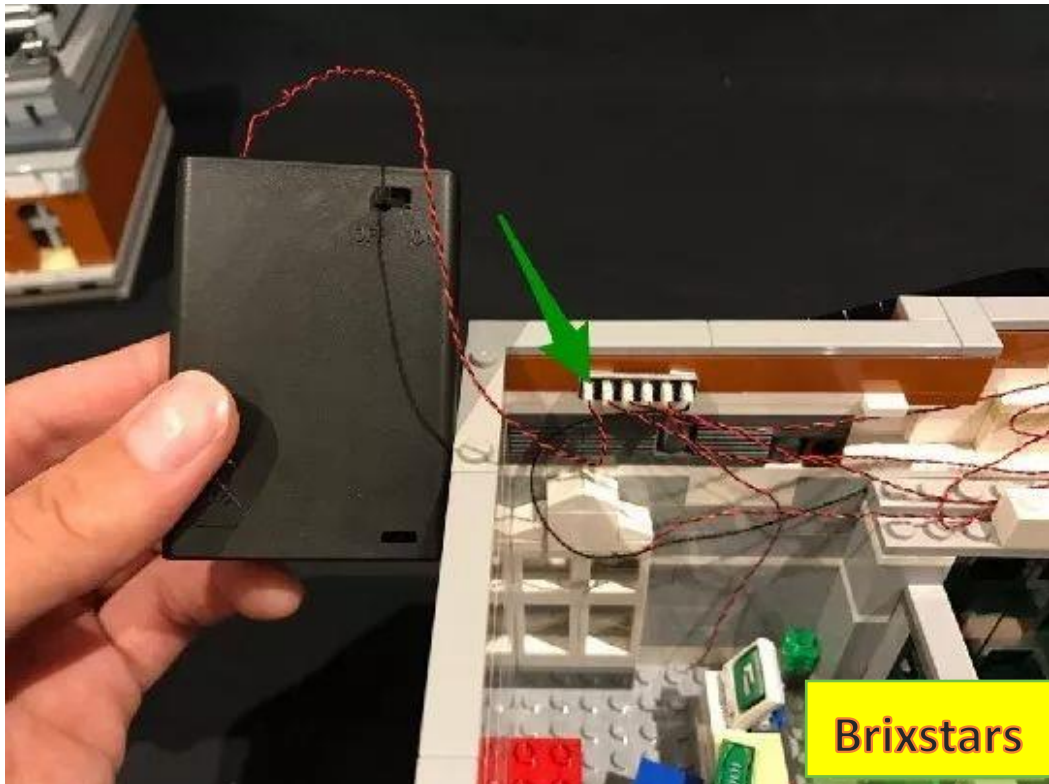






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16.) Test the lights that have been installed so far. Take out **the battery box** **and** install 3 AA batteries. Plug the battery wires into the spare port on the socket and turn them "ON" to test that all the lights are working properly.





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17.) Continue with the second floor. We will start by installing lights above each of the 4 windows on this floor. Remove the following parts as shown below.



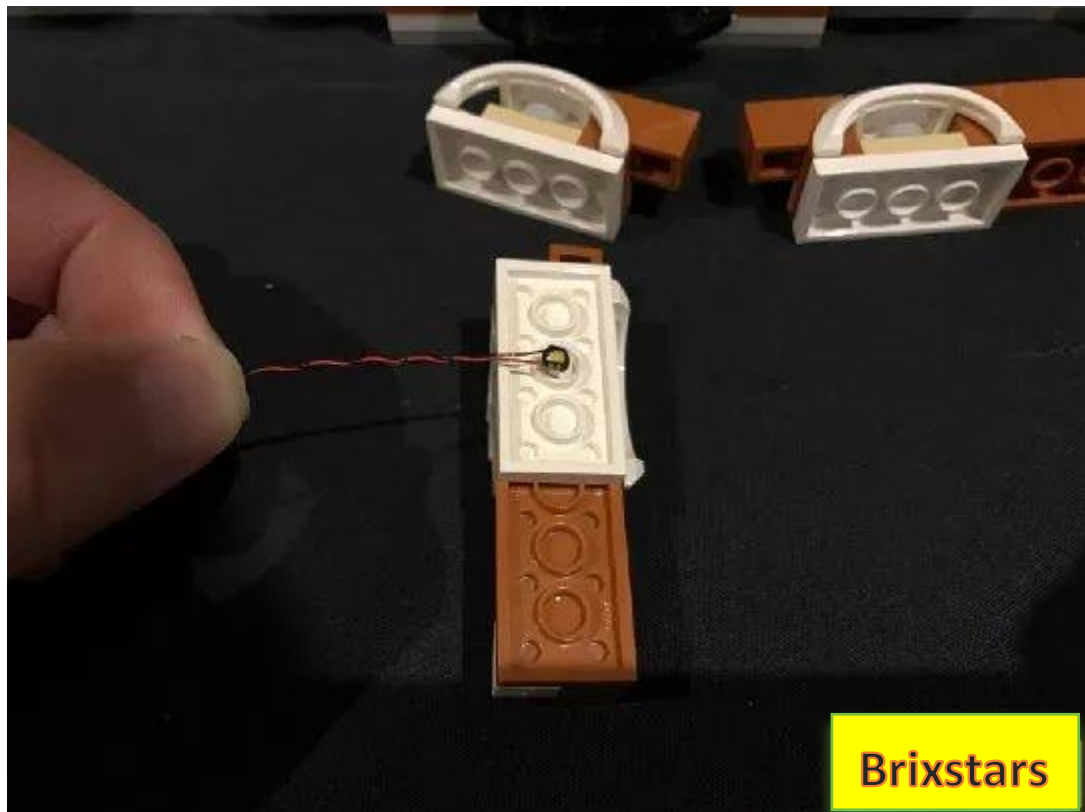






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18.) Take a **30cm** white **light pellet** and place the pellet with the **light-emitting side** in the middle hole below the white 2x4 board in the **first window**. Press the pellet with your fingers and return it to the **building**. Repeat this step to install another 3 white 30cm pellets in the second, third and fourth windows .





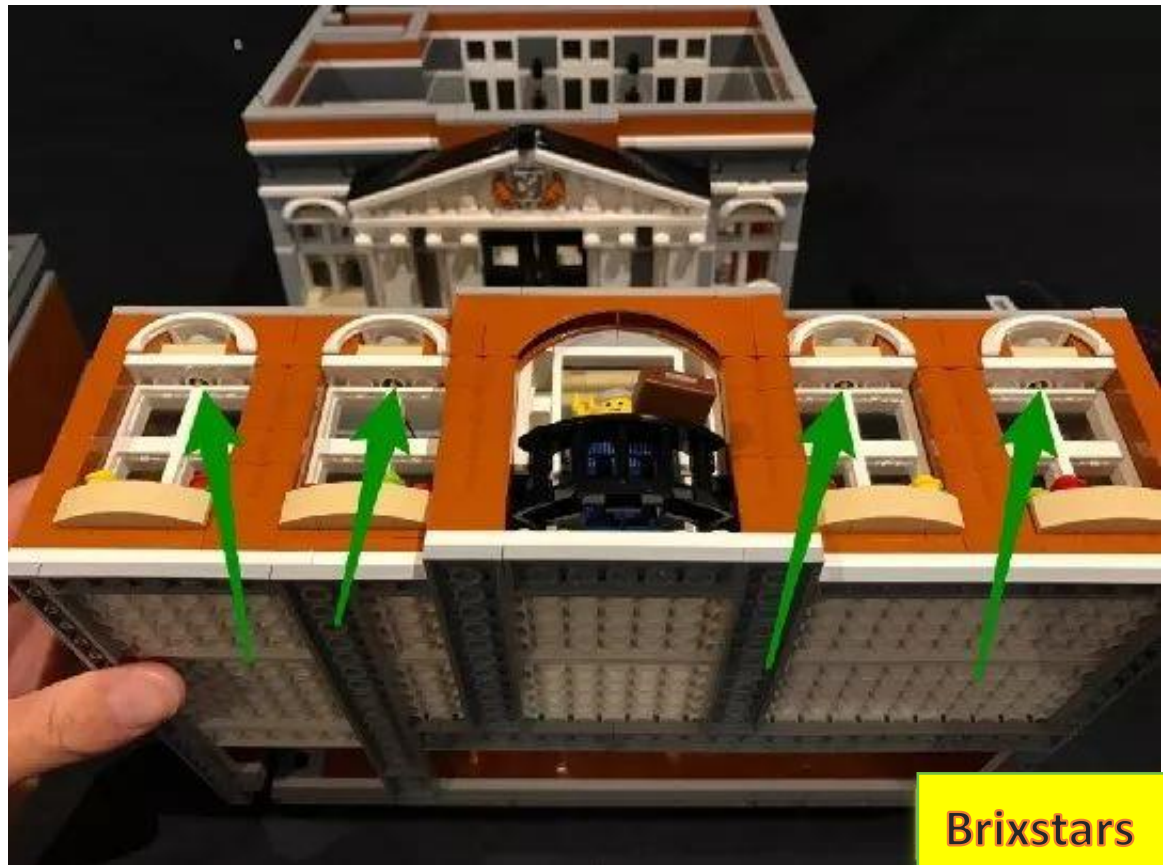
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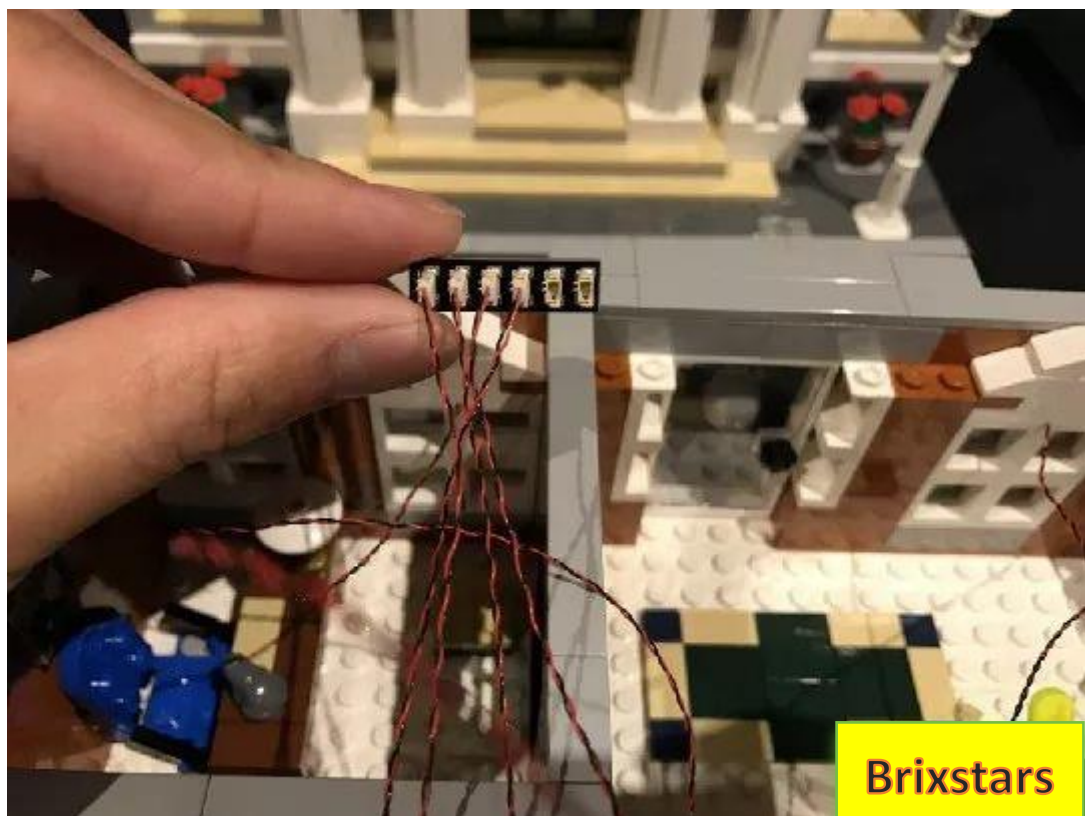
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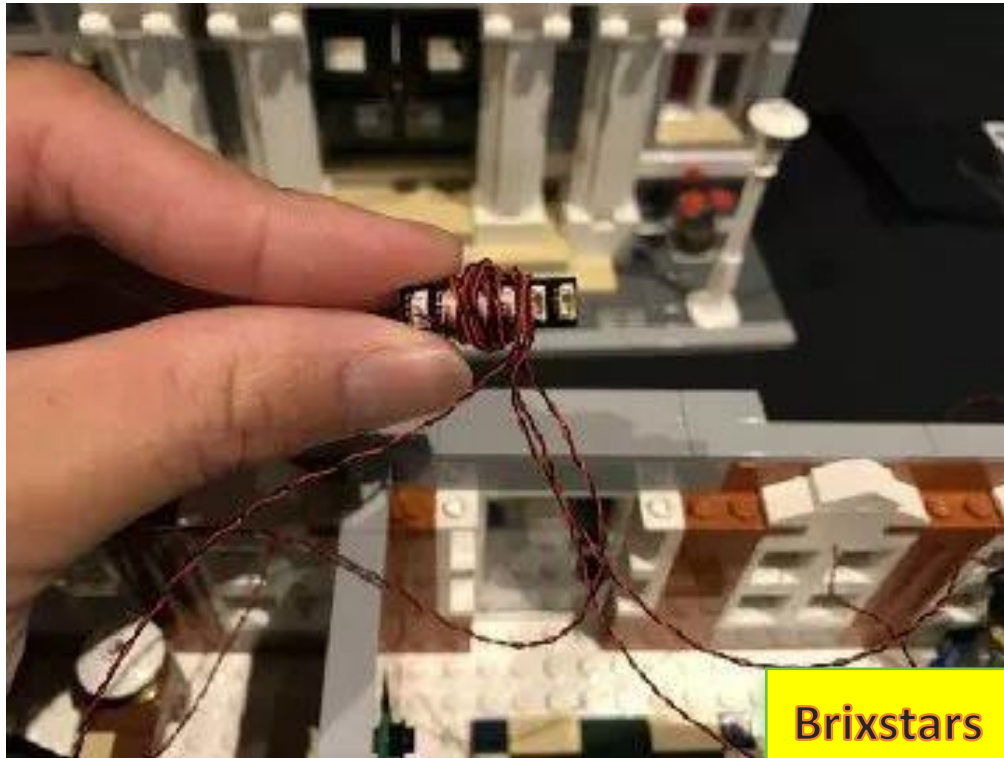
If you look from the bottom up, you should see the LED light bulb. If it is different than the example below, you need to reinstall the light bulb.



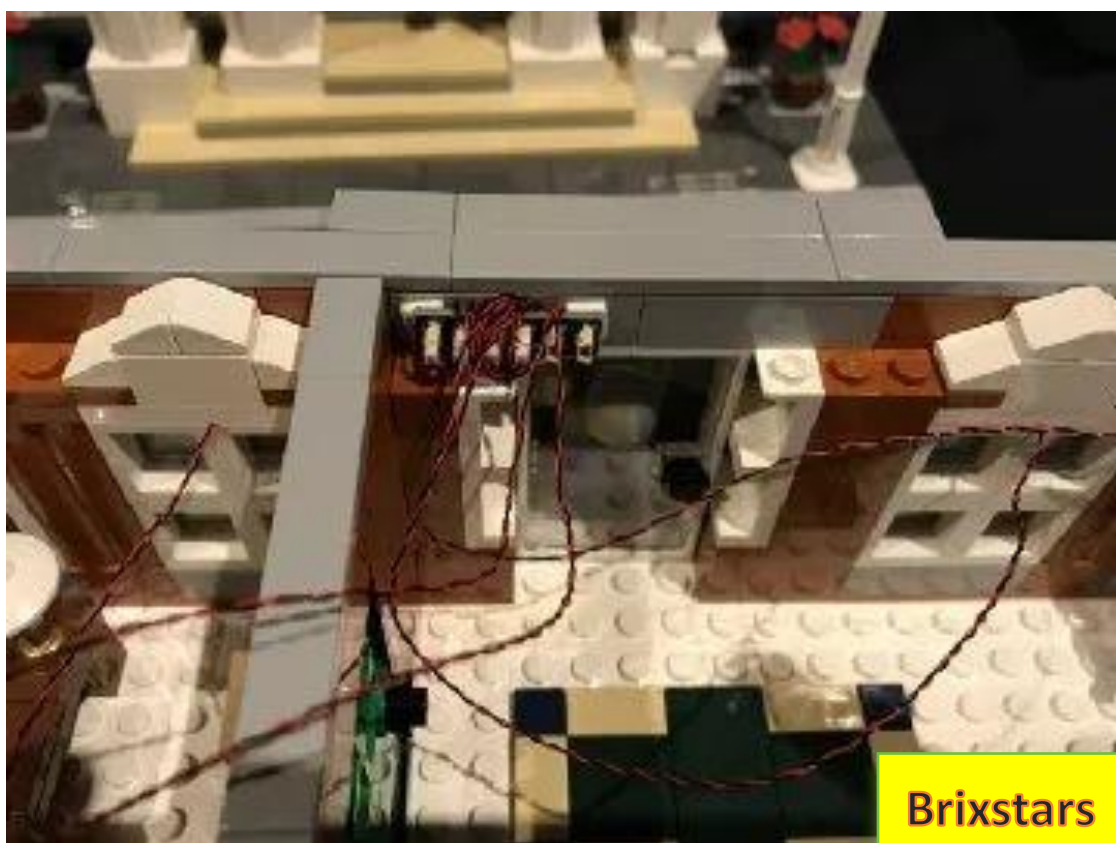
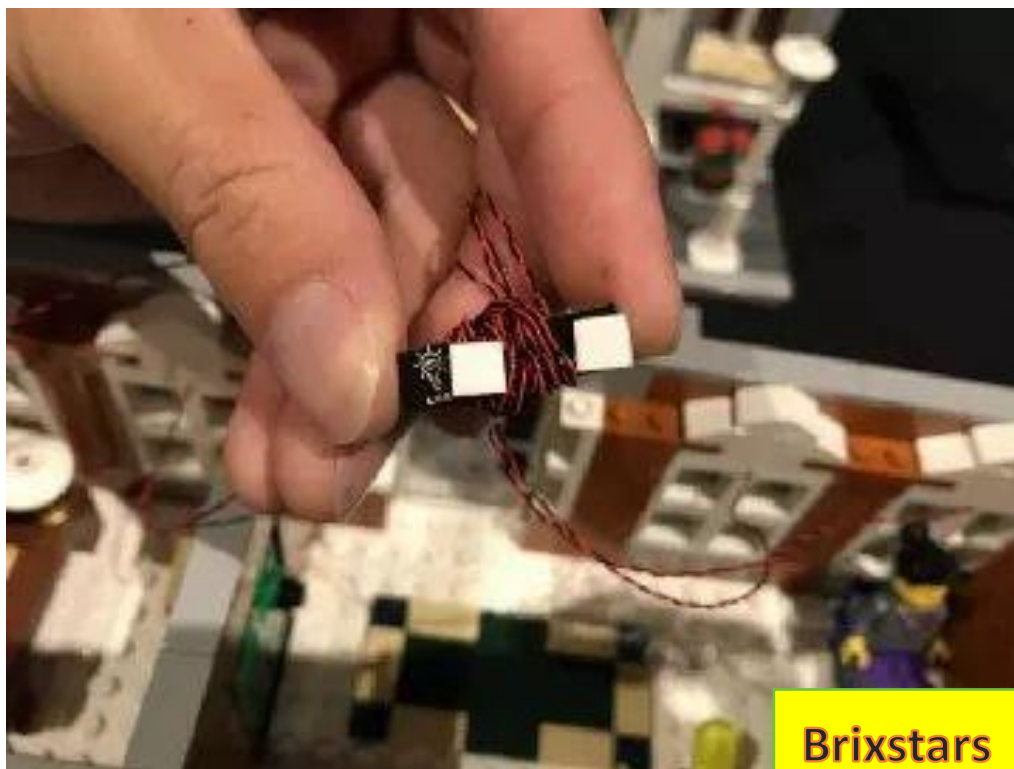
19.) Take another **6 port socket** and connect all 4 wires to the available ports.



Eliminate excess wires, wrap the wires around the socket as shown below, and then use **double-sided tape** to secure the socket to the lower interior wall of the second floor .

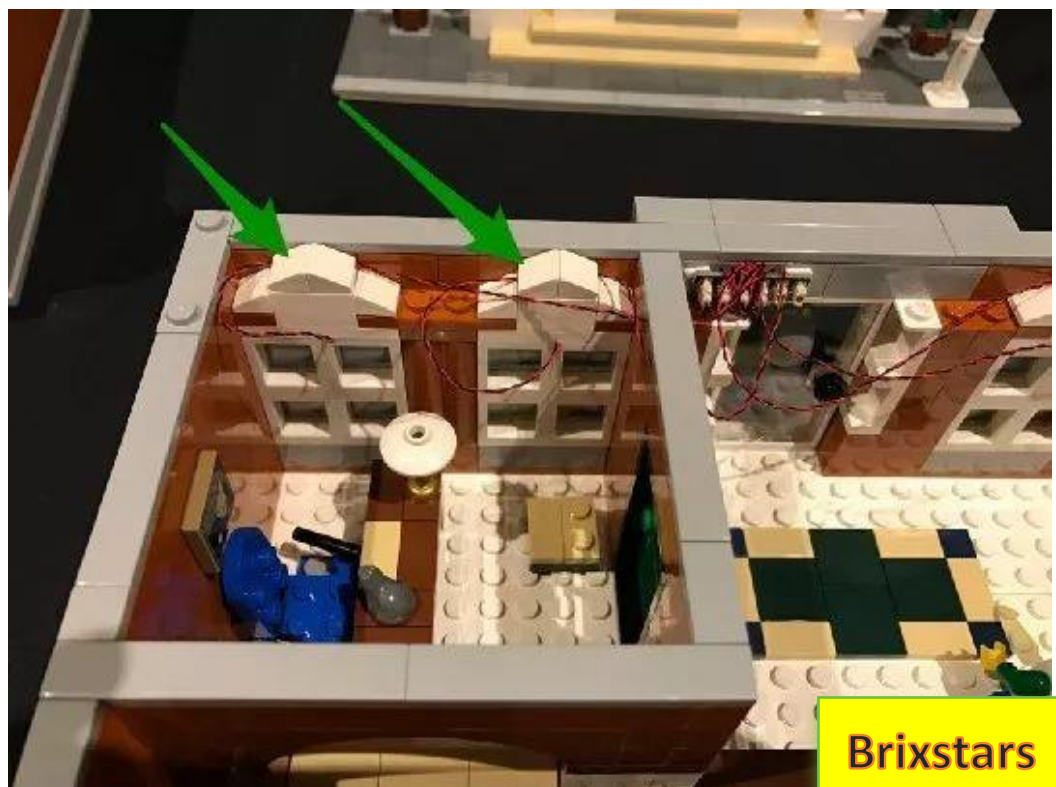


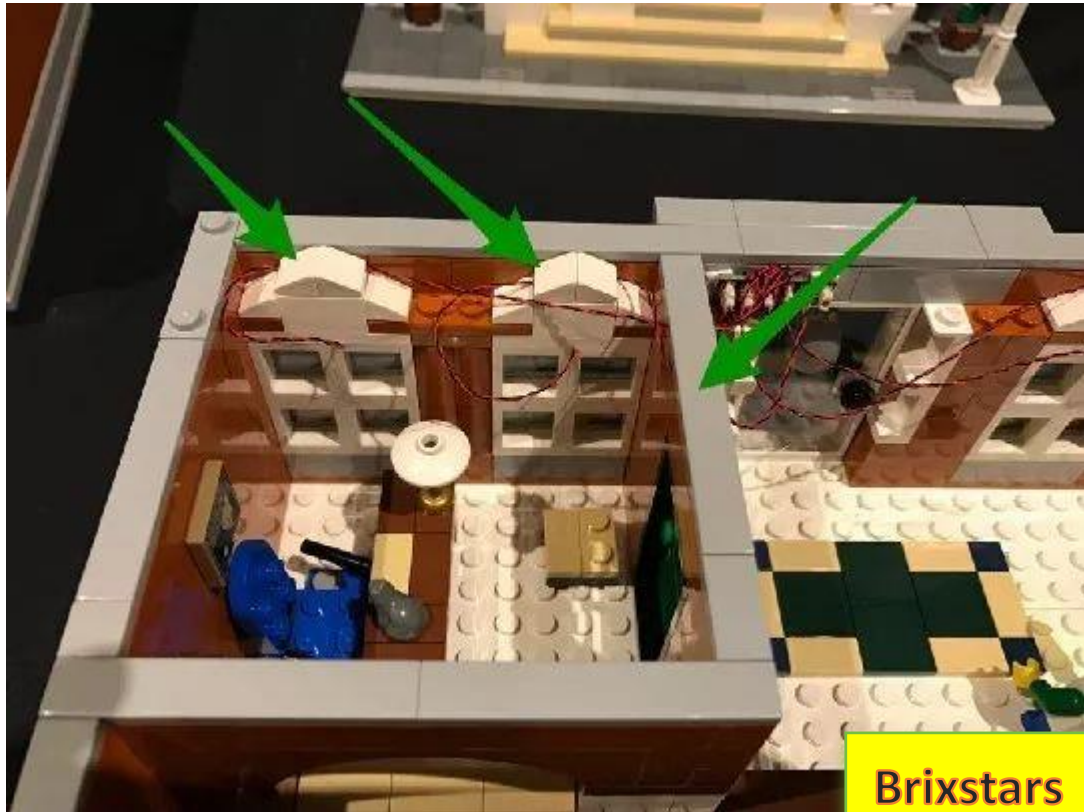






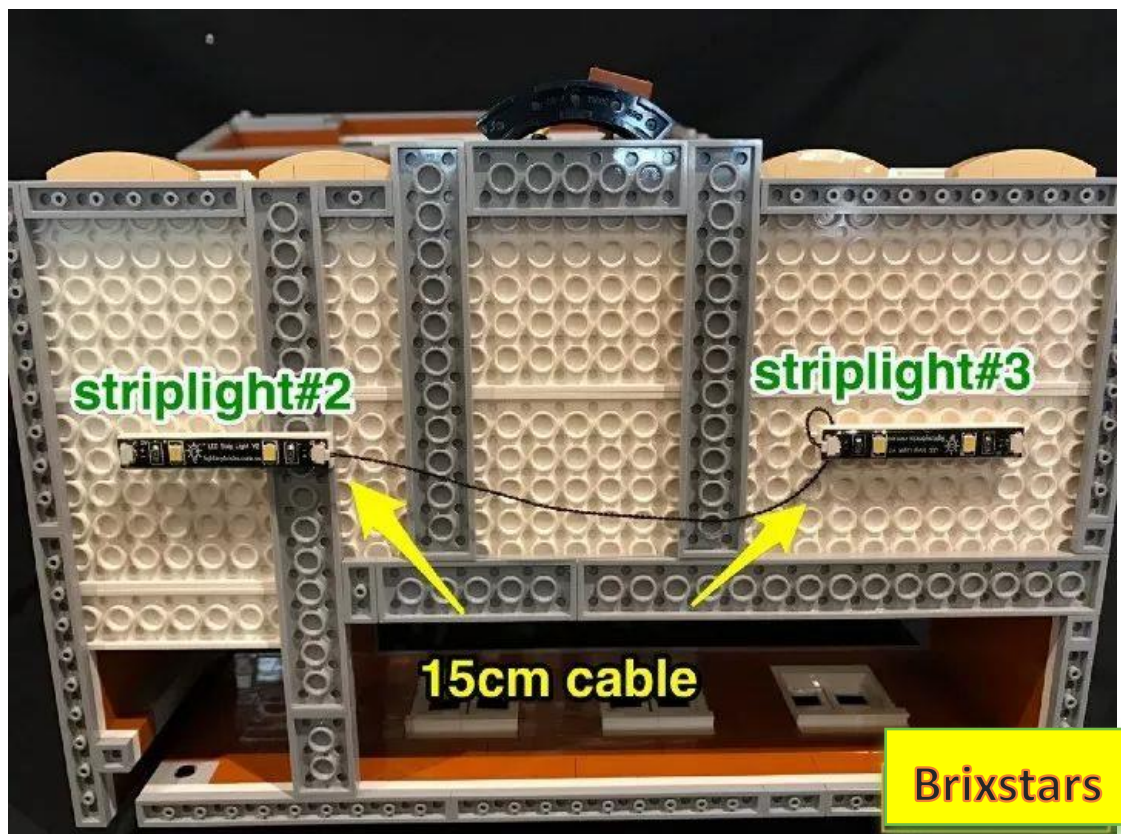
20.) Hide the extra wires and secure them with the parts indicated by the arrows. Make sure the wires pass through the middle of the studs.



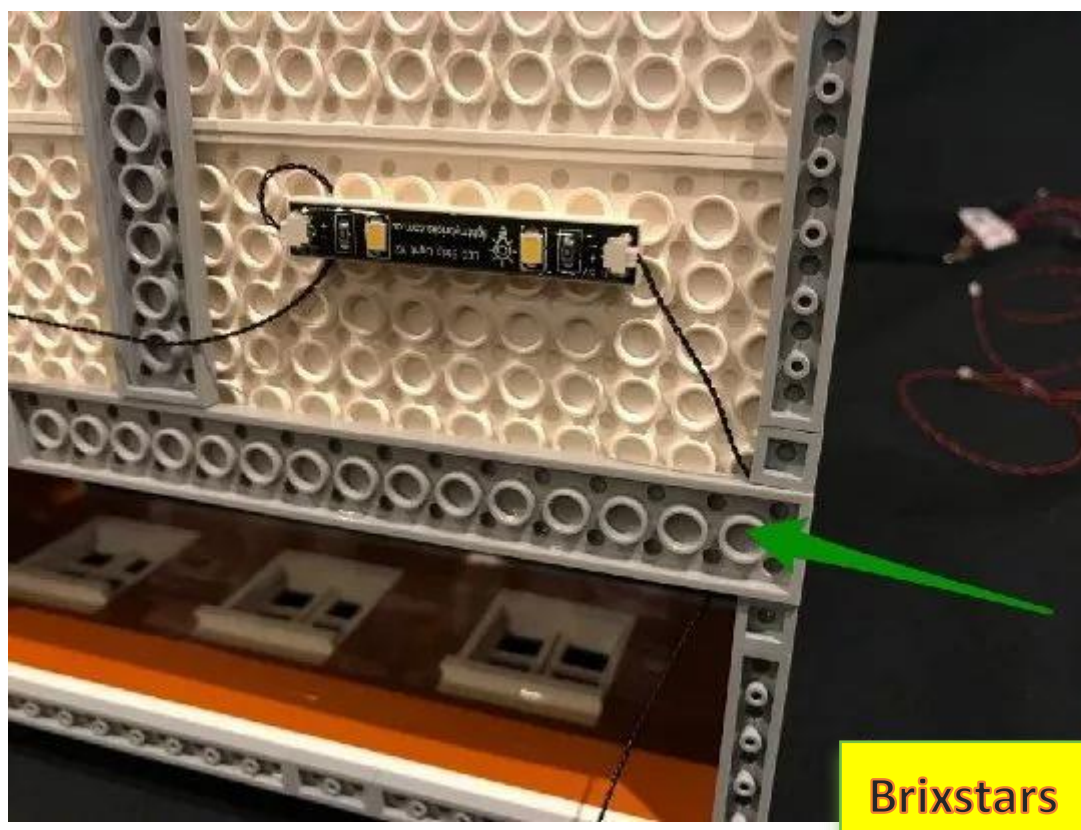
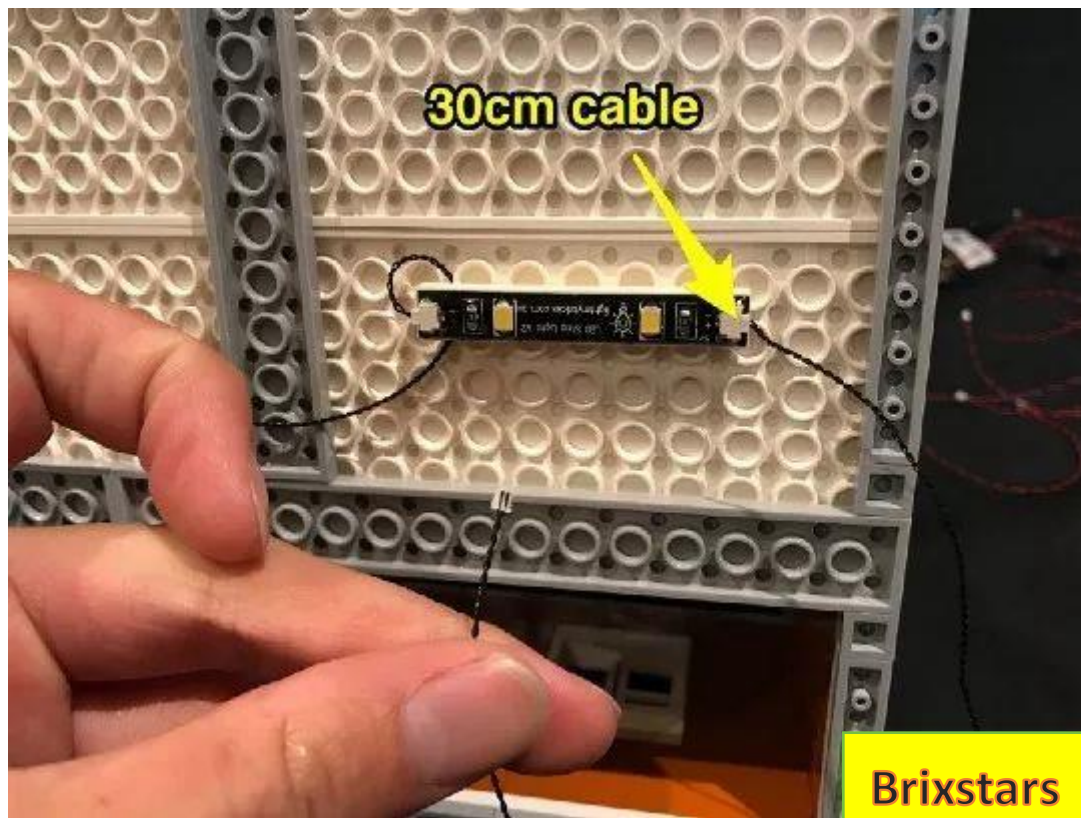




21.) Lift up the second layer and flip it over, attach the 2 **LED light strips** ( Light Strip #2 and Light Strip #3 ) to the following locations. **Connect** the 2 light strips together using **the 15CM connecting wire** (to prevent the 15CM wire from hanging down, you can loop it around the back of one of the strip lights, similar to what I did here)

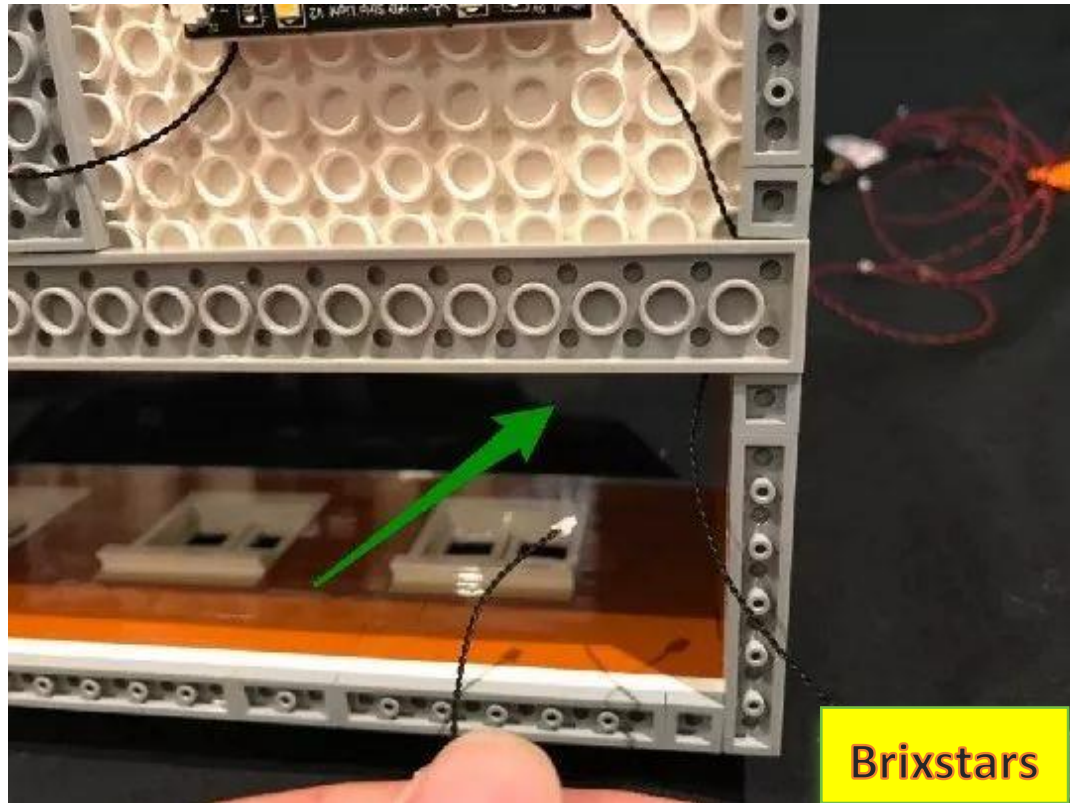


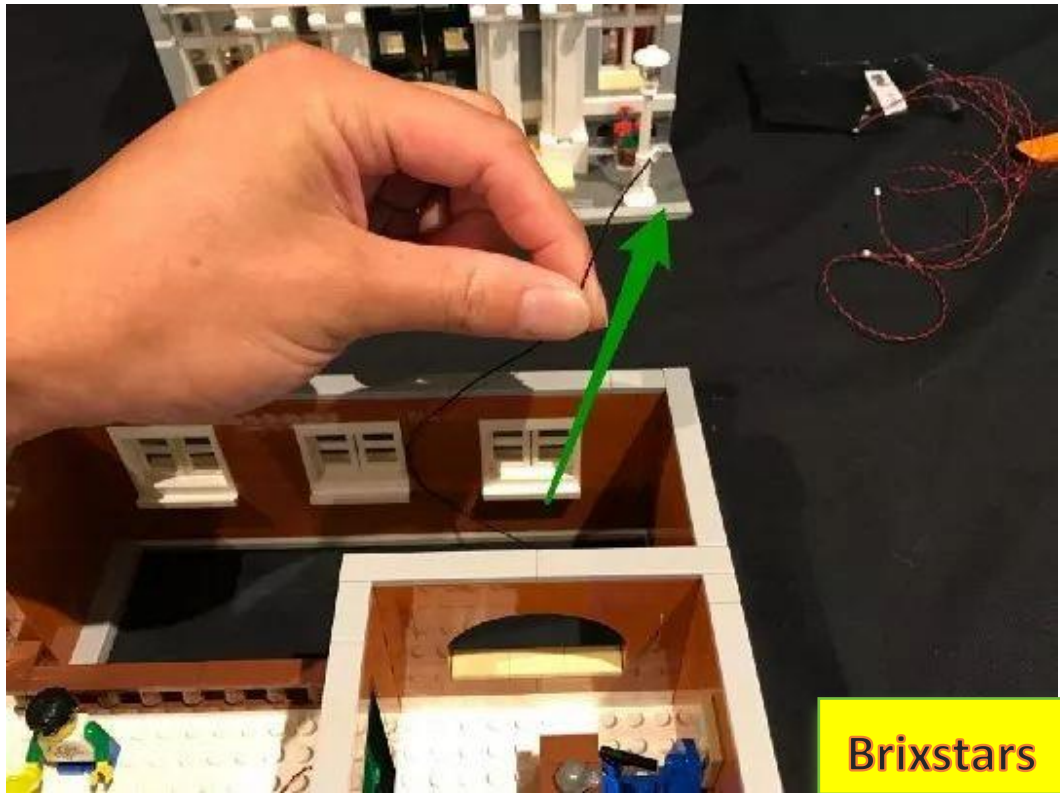
Connect **the 30CM cable** to the right port of light strip #3, and then secure it under the gray plate as follows.



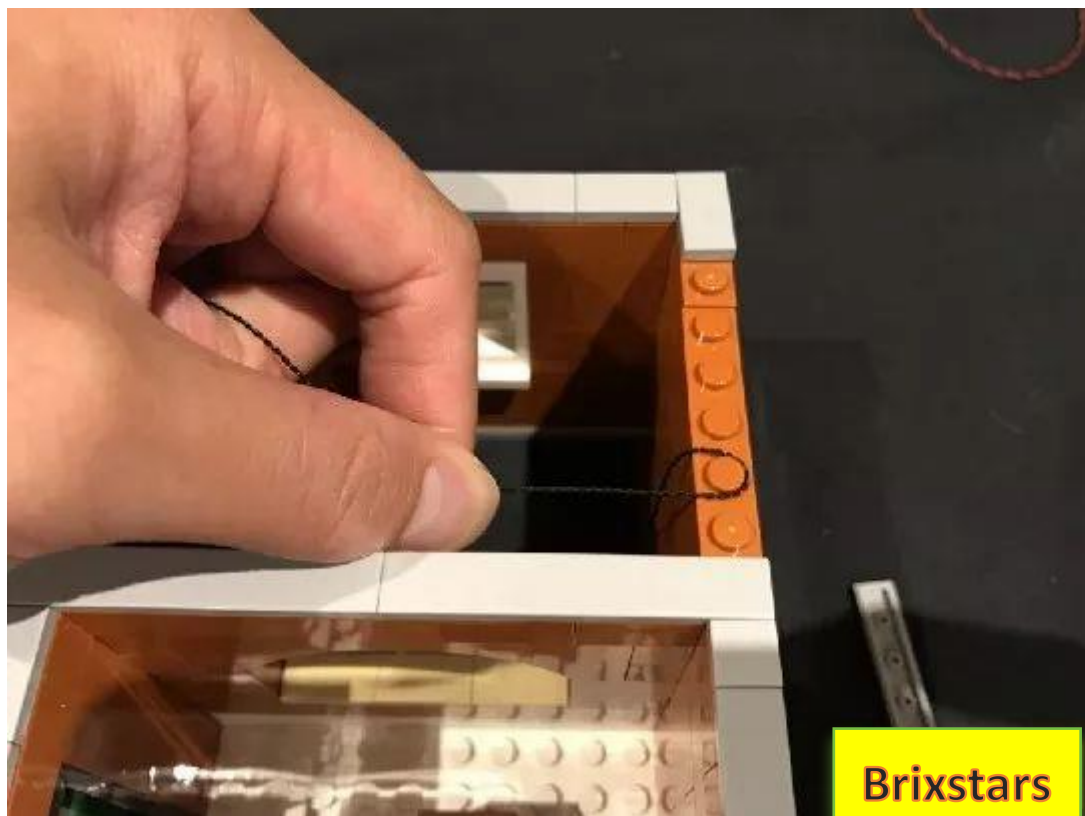


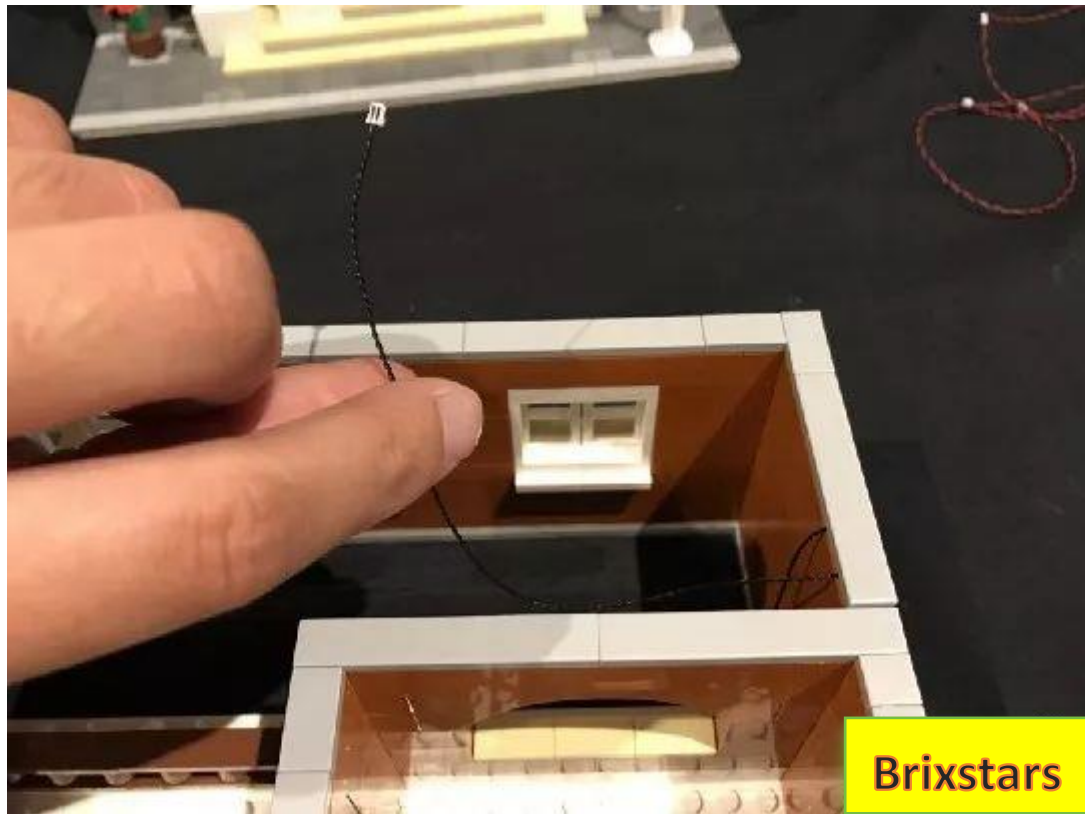
22.) Insert the other end of the 30cm wire into the space above. Straighten the second layer and pull it up from the bottom.



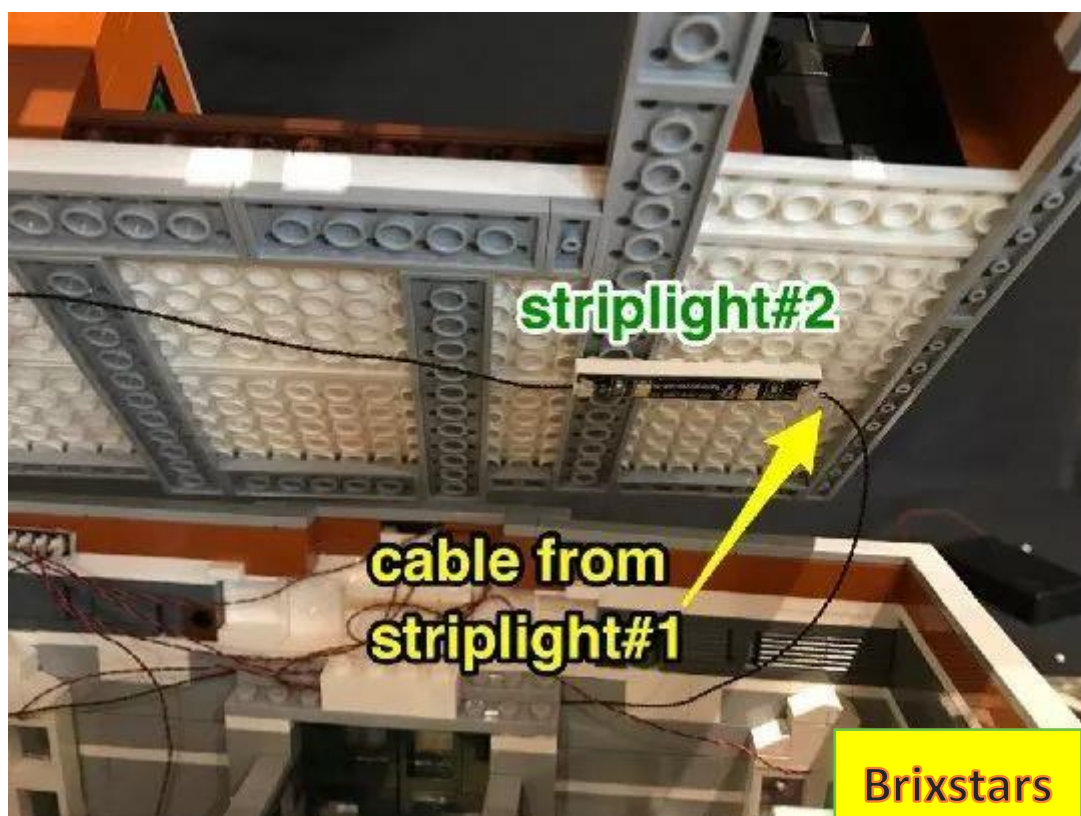


Place the wires under the top grey plate to secure it





23.) Before putting the second layer back together, connect the 15cm cable from **light strip #1** to the free port on **light strip #2** .

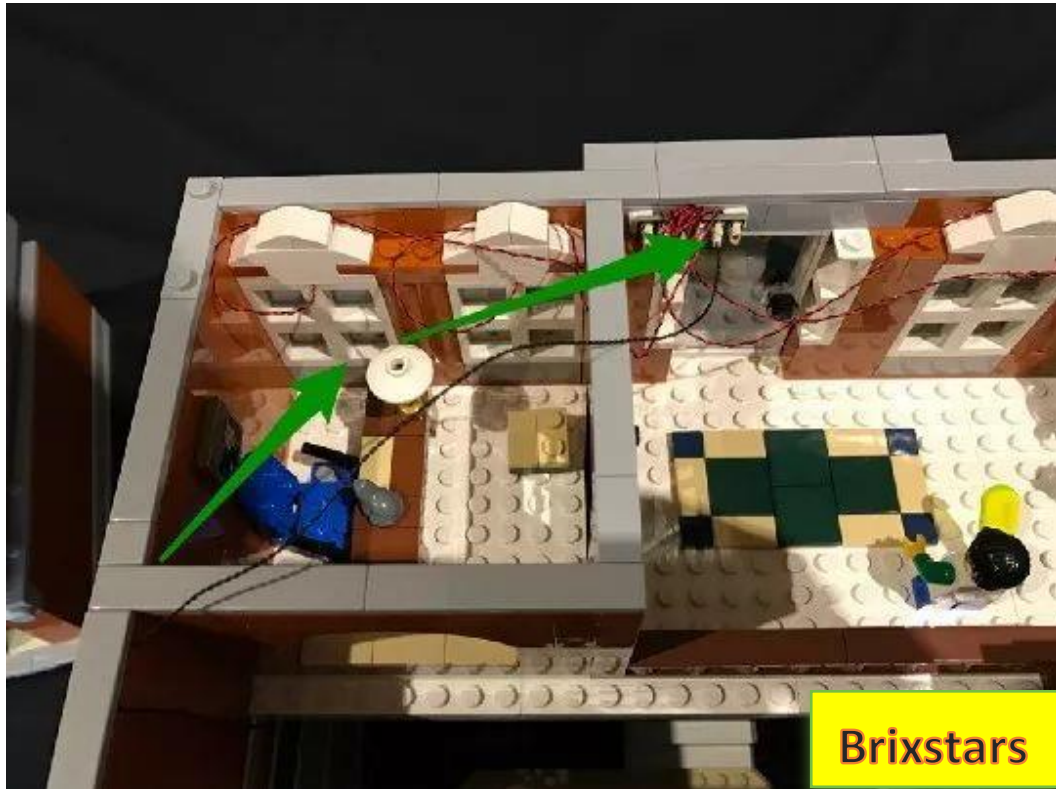


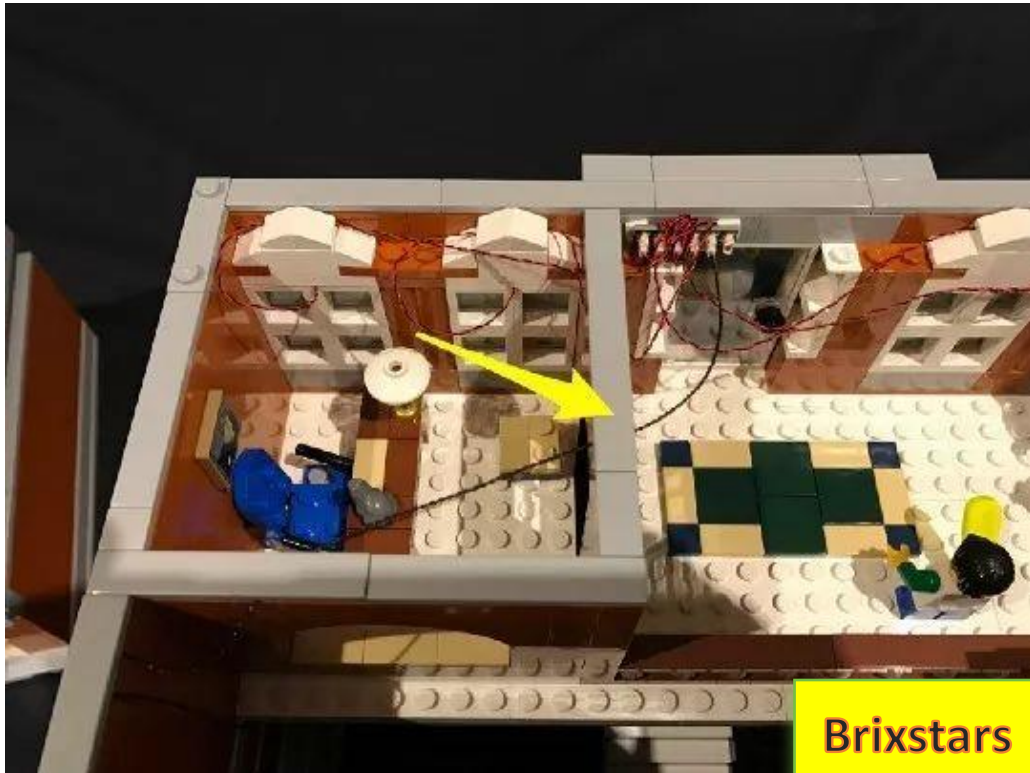


Restore the second layer

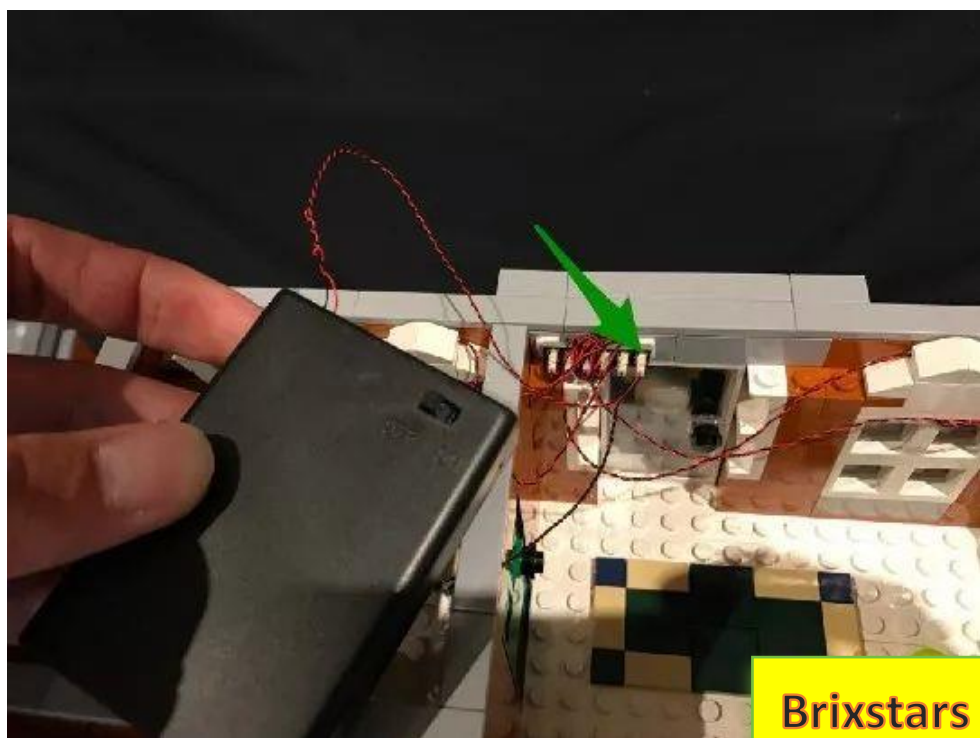


Find the 30CM wire we pulled from the first floor, and connect it to an available port on the 6-port socket on the second floor. Secure the connecting wire under the gray flat plate.





24.) Now, test the lights that are currently installed. Remove the battery box and connect the battery box wires to the outlet on the second floor. Turn on the switch and confirm that everything is working properly.





25.) Remove the third layer, we will install a light on the top of the middle window. First remove the parts shown in the picture below





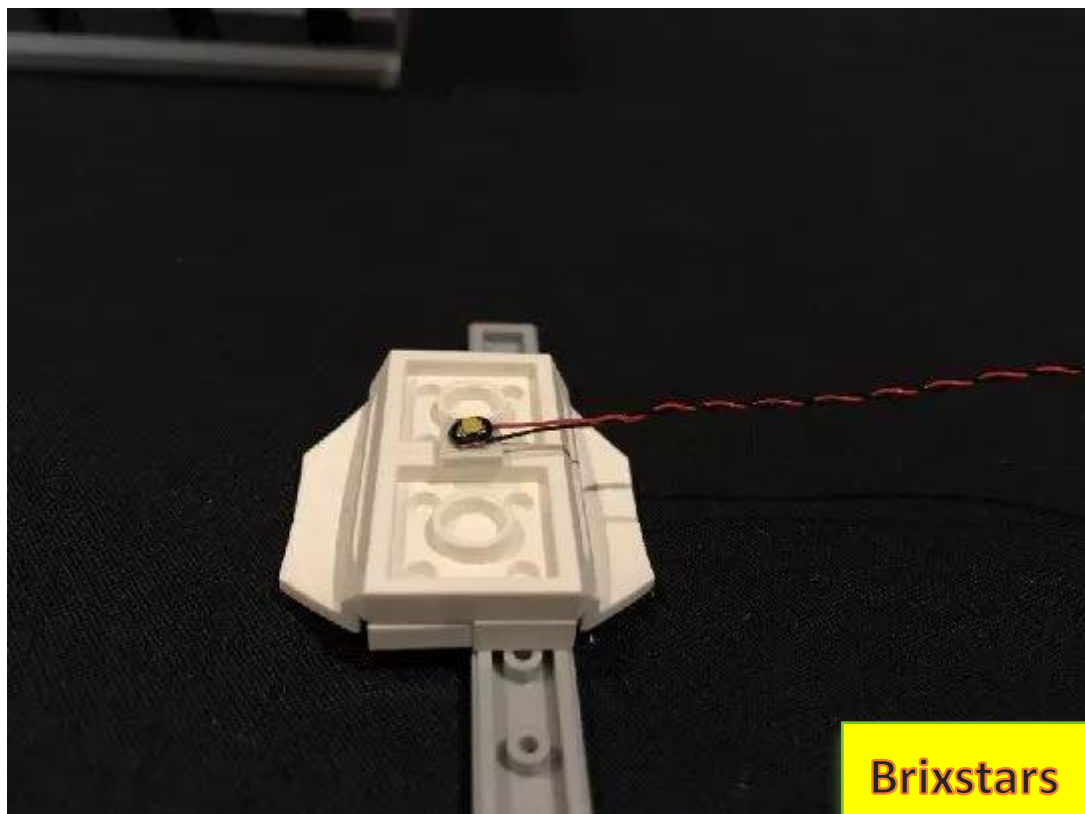
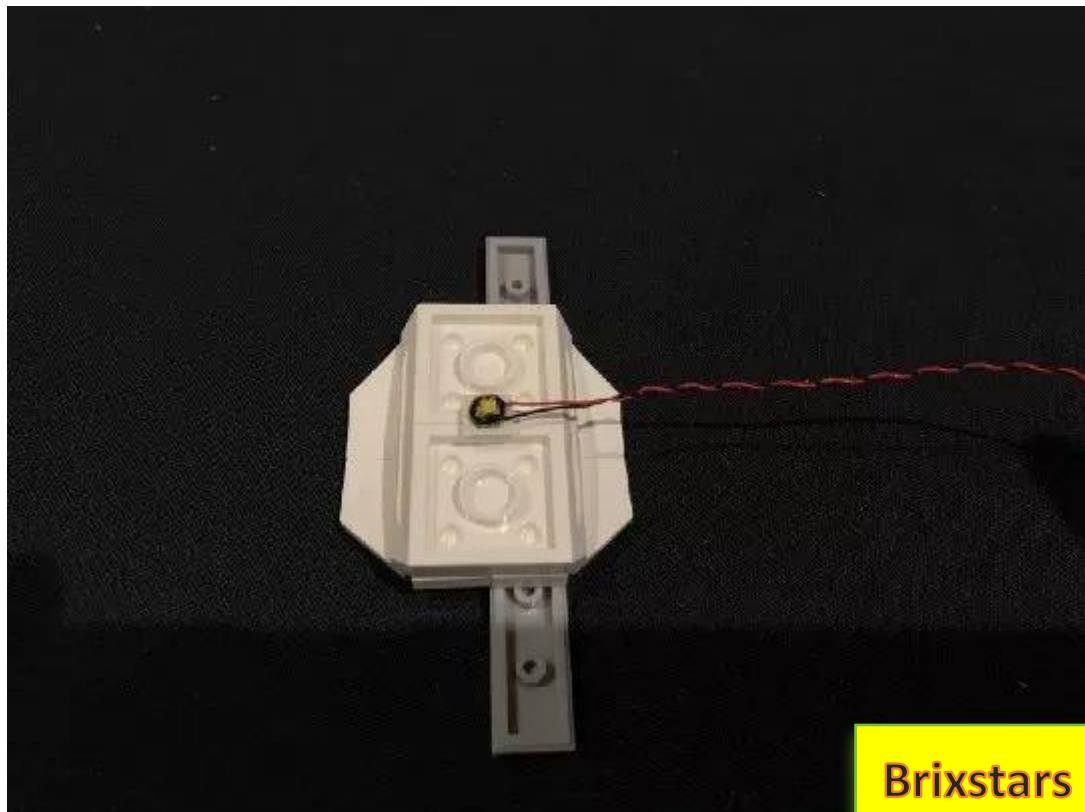


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Take another **30cm white light pellet** and use **double-sided tape** to stick the pellet below the top of the window.



Restore this part, making sure the wires are in the back, and then restore the grey plate we removed earlier. If you look from the bottom up, you should be able to see the LED light emitting side





Pull the wire all the way to the back and secure it underneath the grey plate.

Make sure there is no excess wire hanging down.





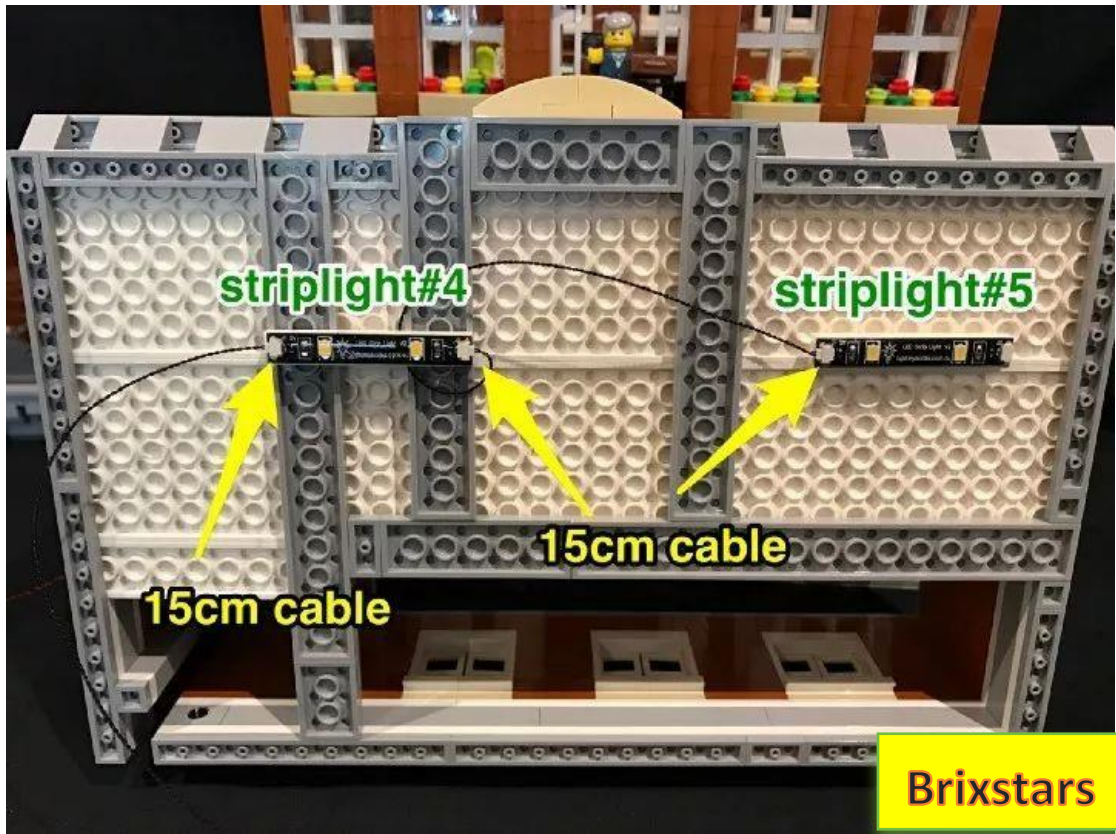
striplight#4

striplight#5

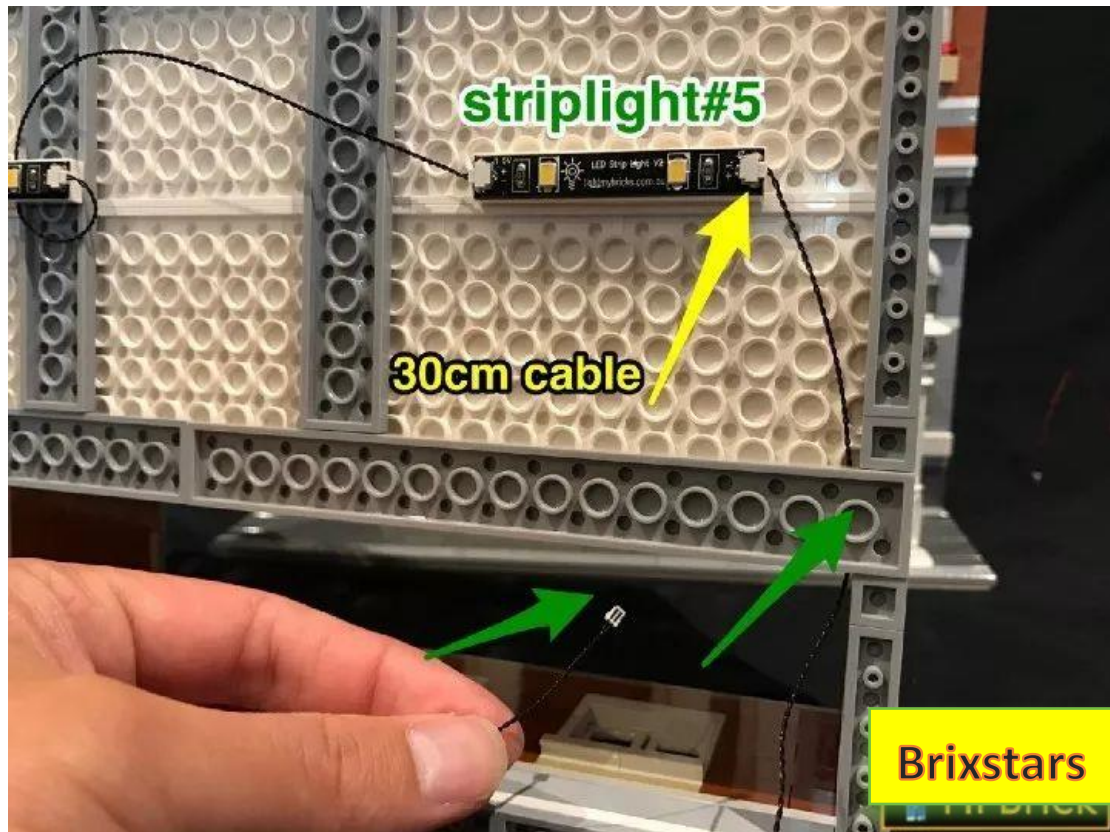
15cm cable

15cm cable

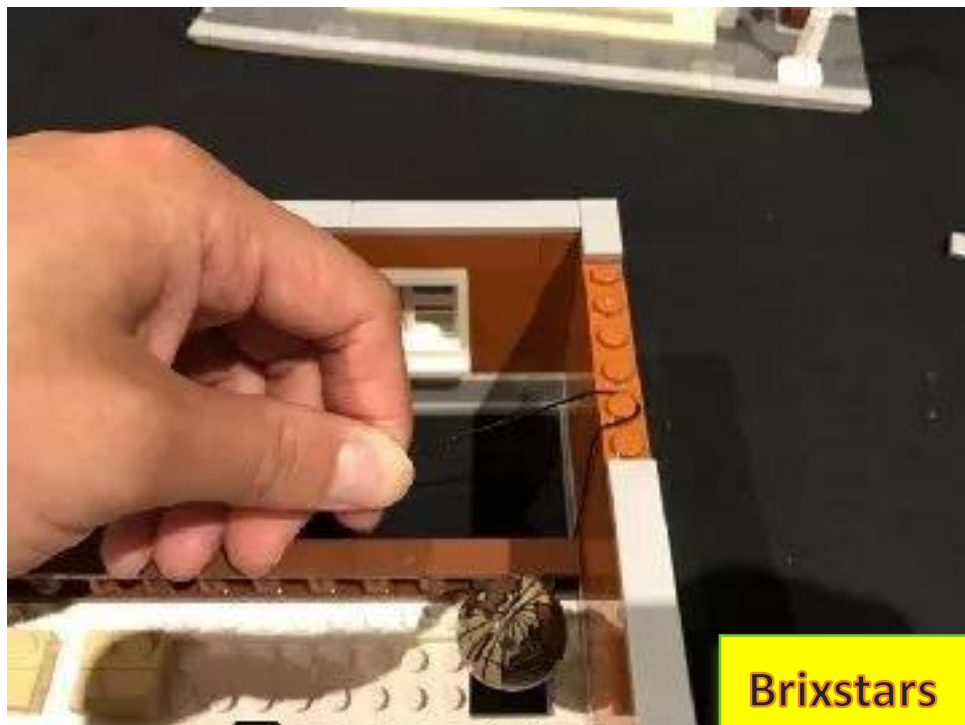
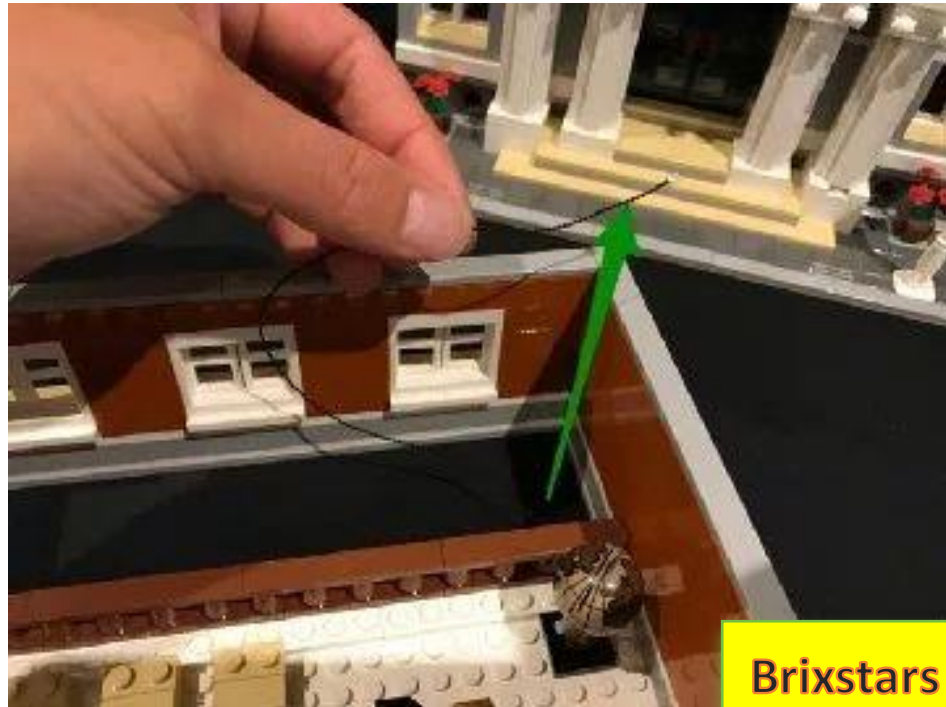
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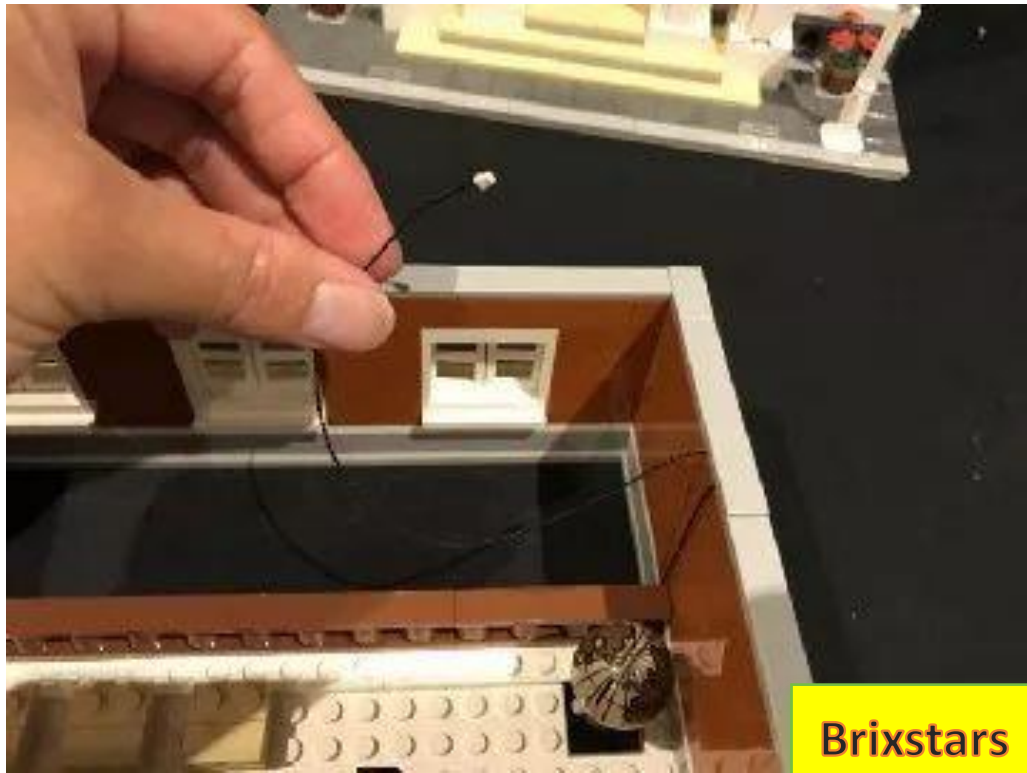


27.) Take a **30CM hookup wire** and **connect it** to the right port of light strip #5 and press the hookup wire under the grey plate and then thread the wire up into the space above as shown below:



Lay the three layers flat and pull the wires up from underneath. Secure the wires underneath the gray flat plate on the wall.

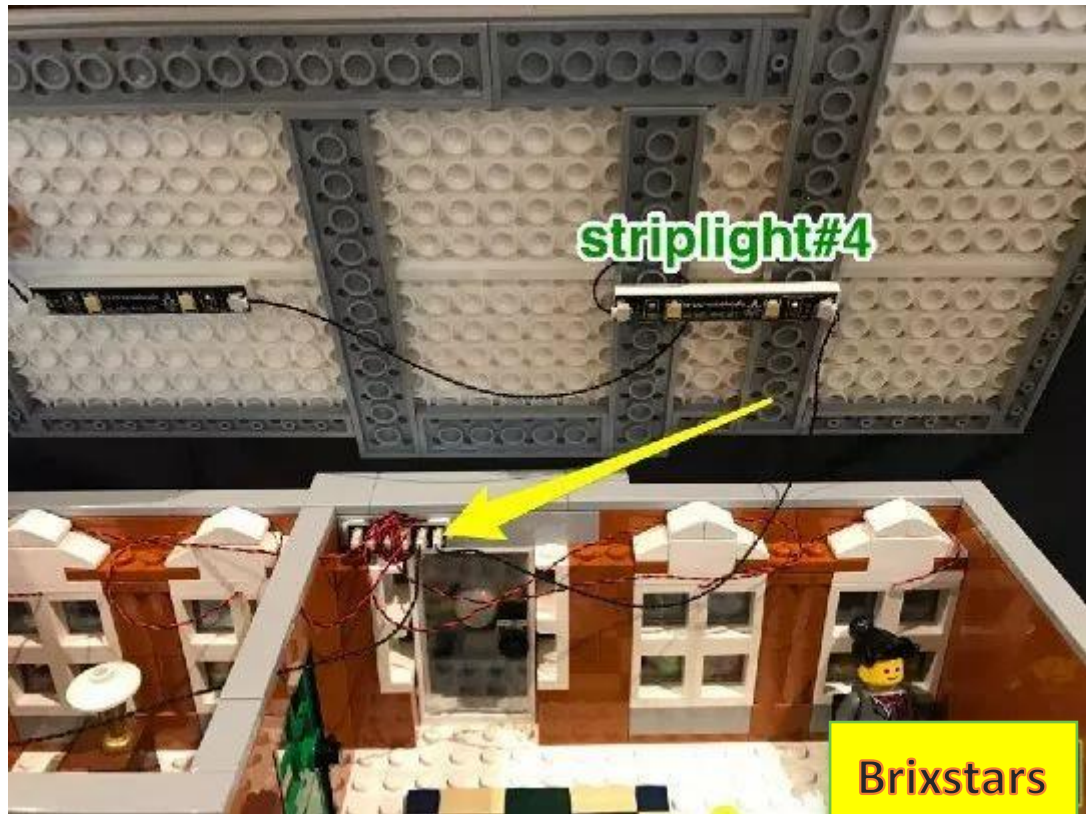




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28.) Connect the 15cm hookup wire from the other end of **light strip #4** to the spare port on the second tier socket, and restore the third tier.



29.) Now we will install the lighting above the clock and spire on the roof, removing the following sections.



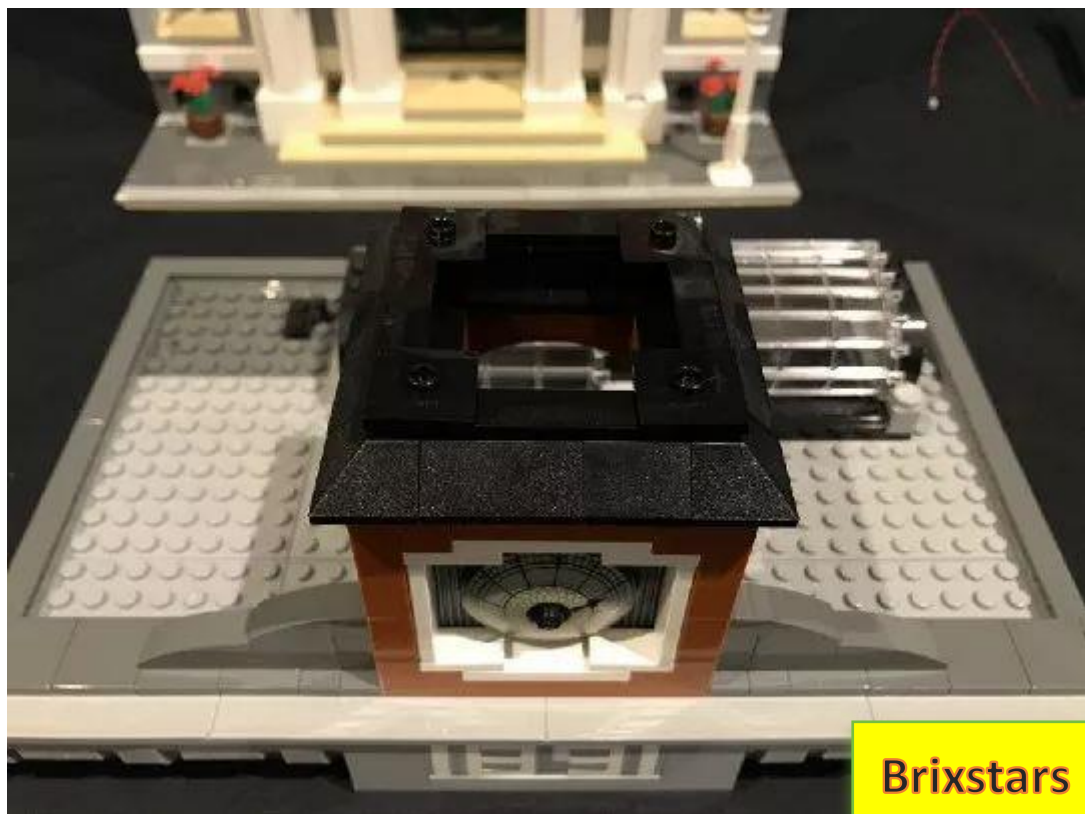


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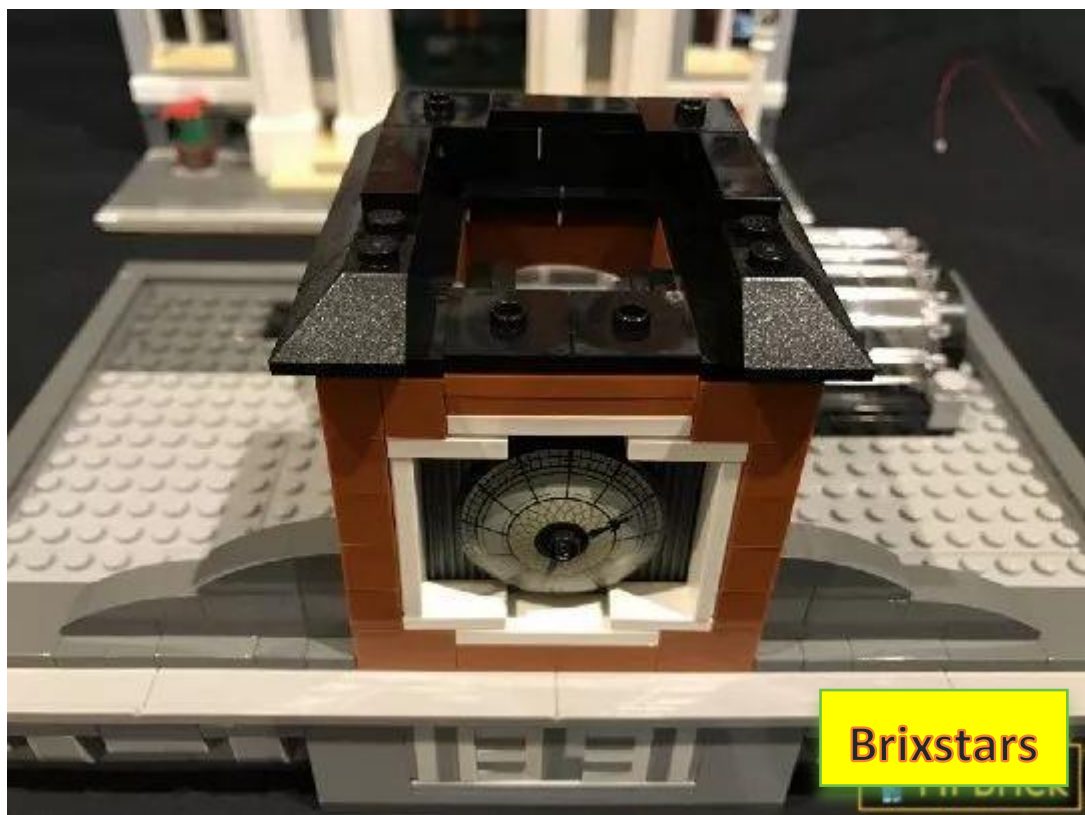


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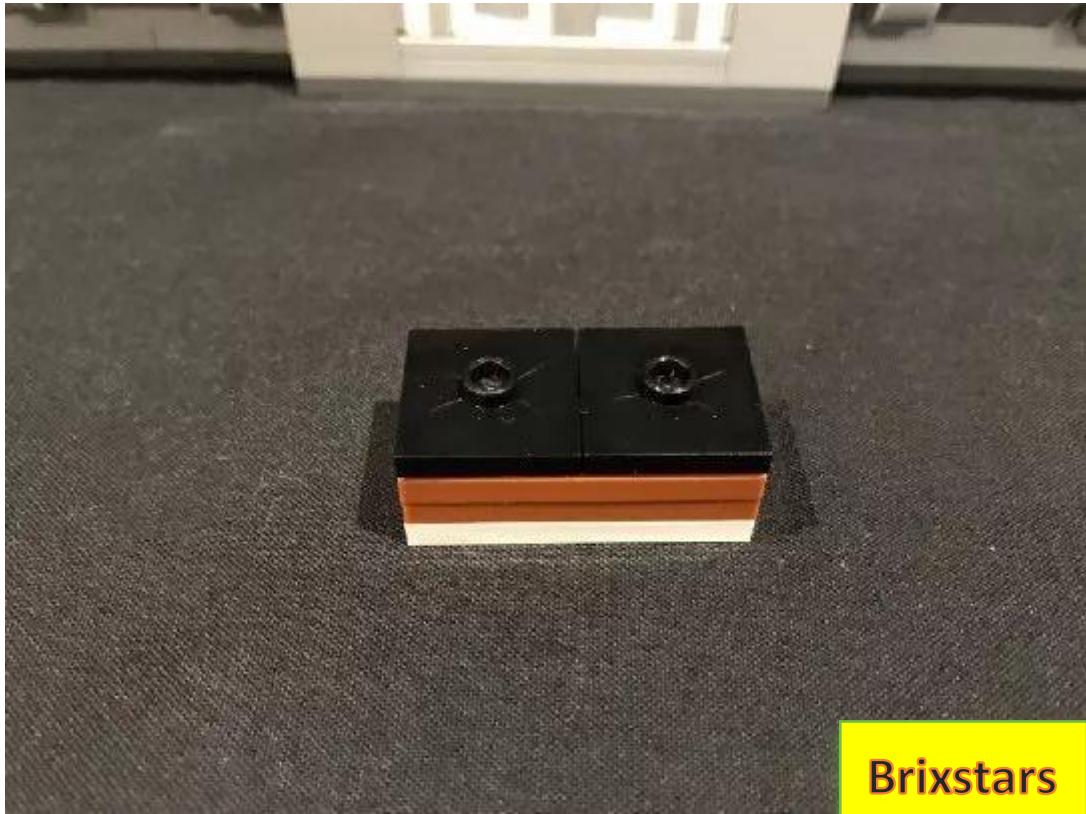


Brixstars

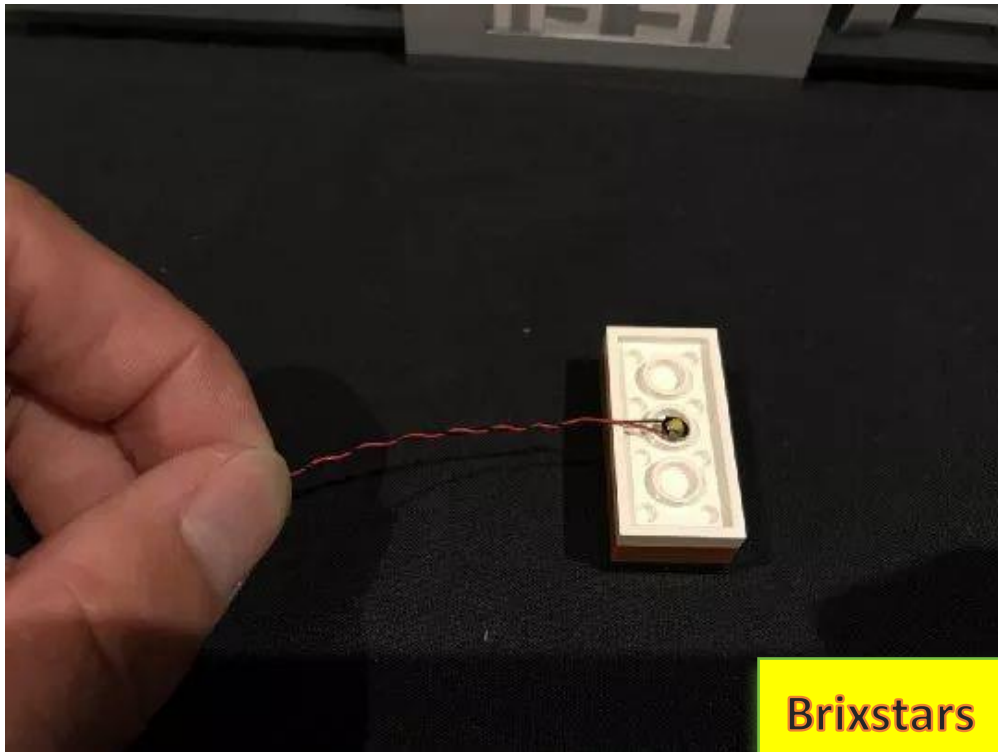


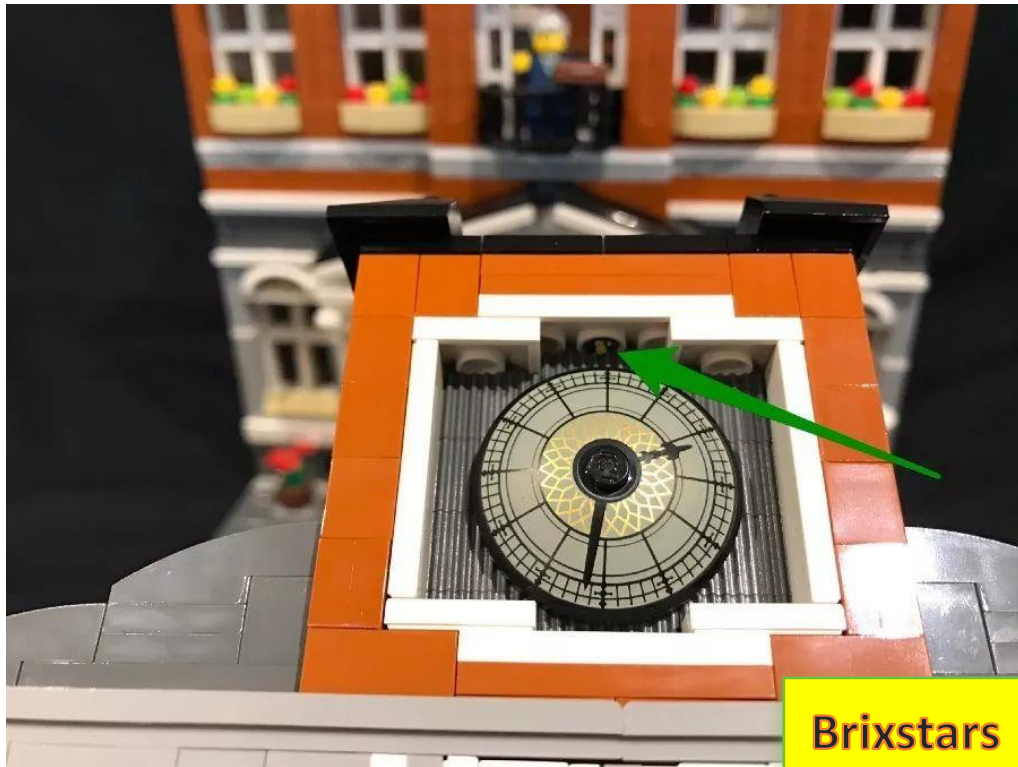
Brixstars





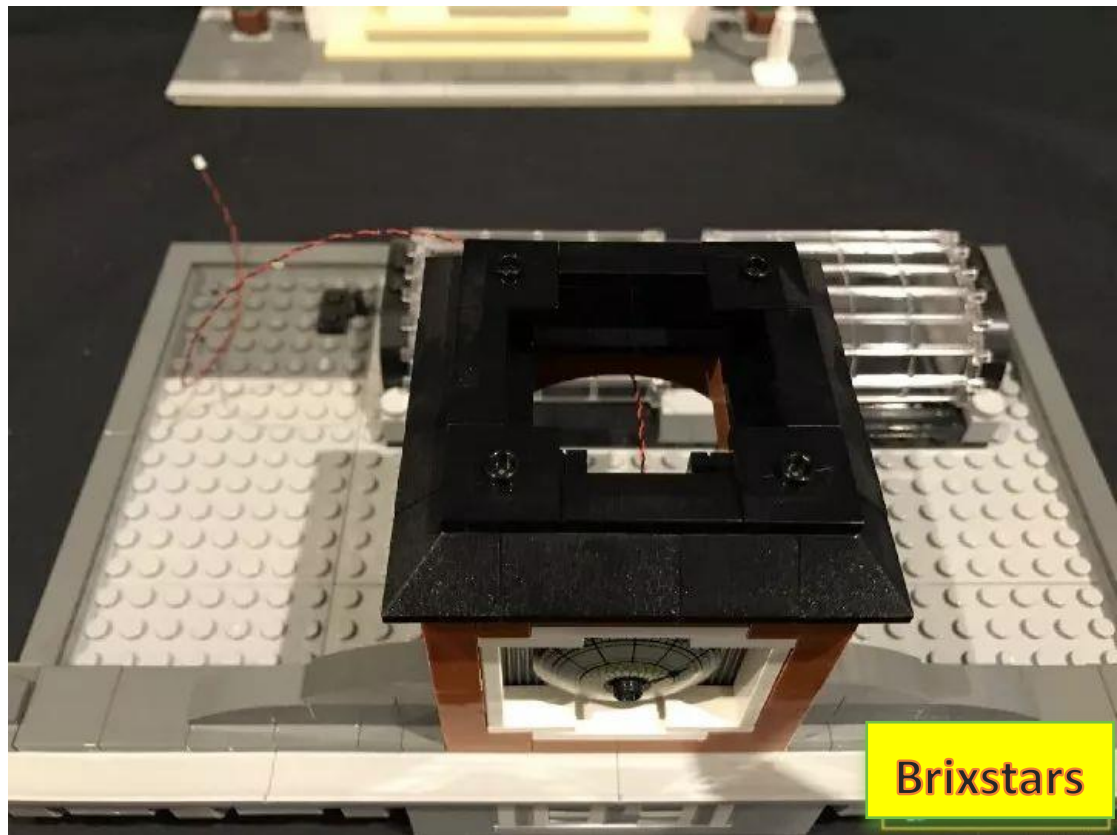
Remove the top of the clock, take the 30cm white light pellet and place the pellet in the middle hole below the white 2x4 board. Press the pellet with your finger to restore this part. The LED light-emitting side should be visible from below.





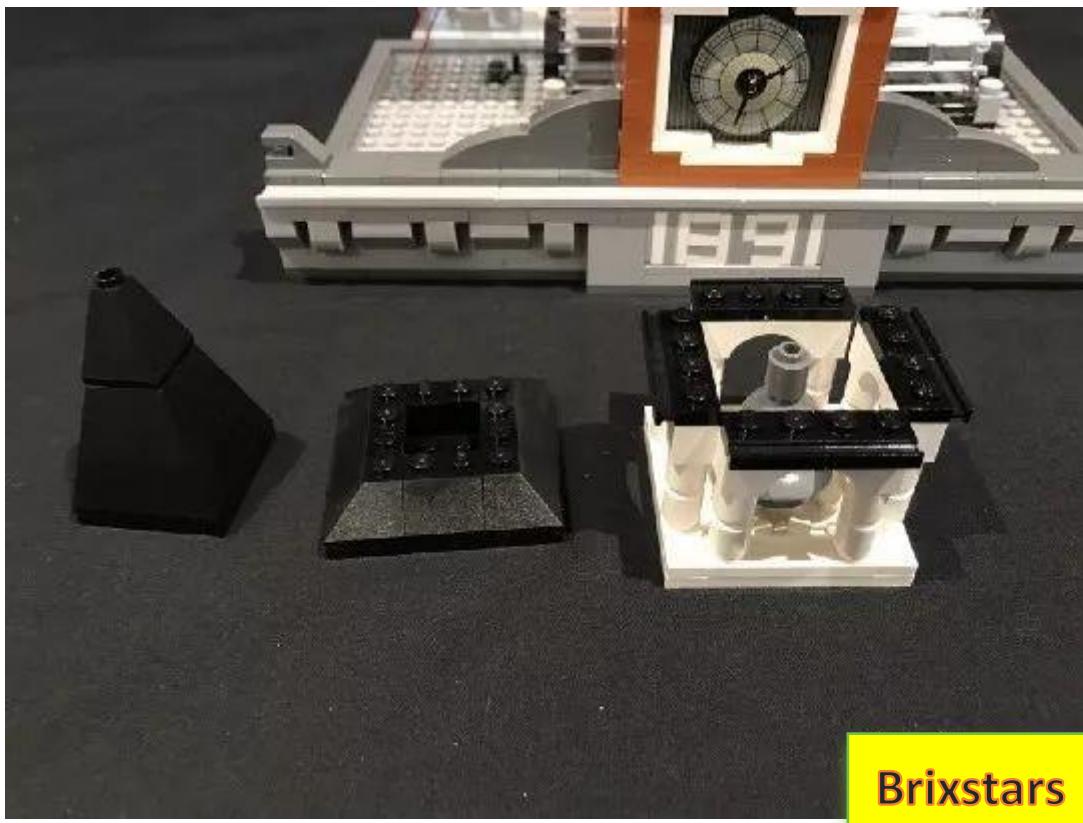
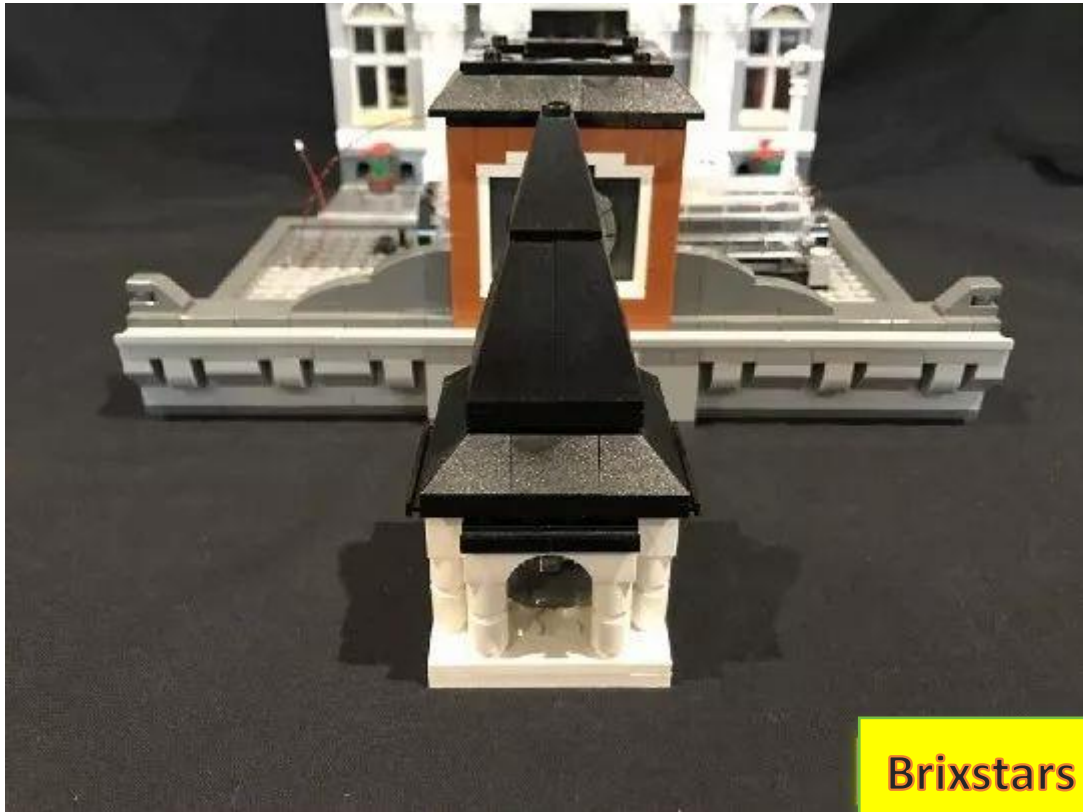
**Brixstars**

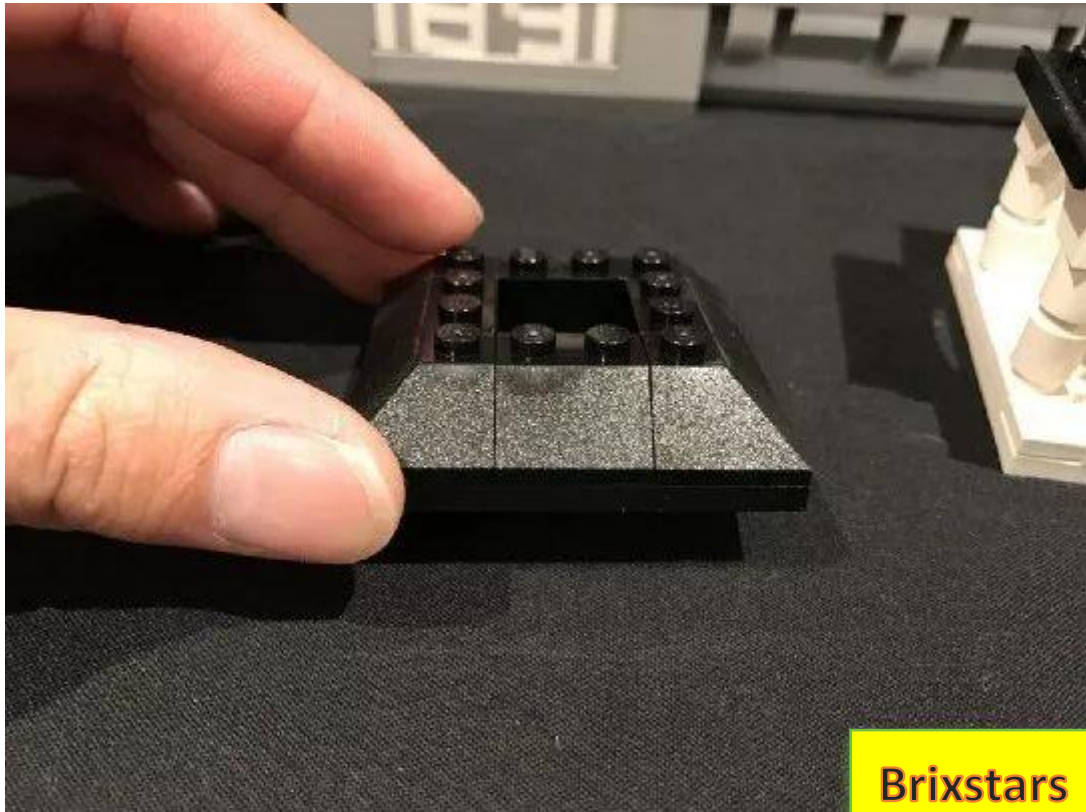
Restore the parts above the clock





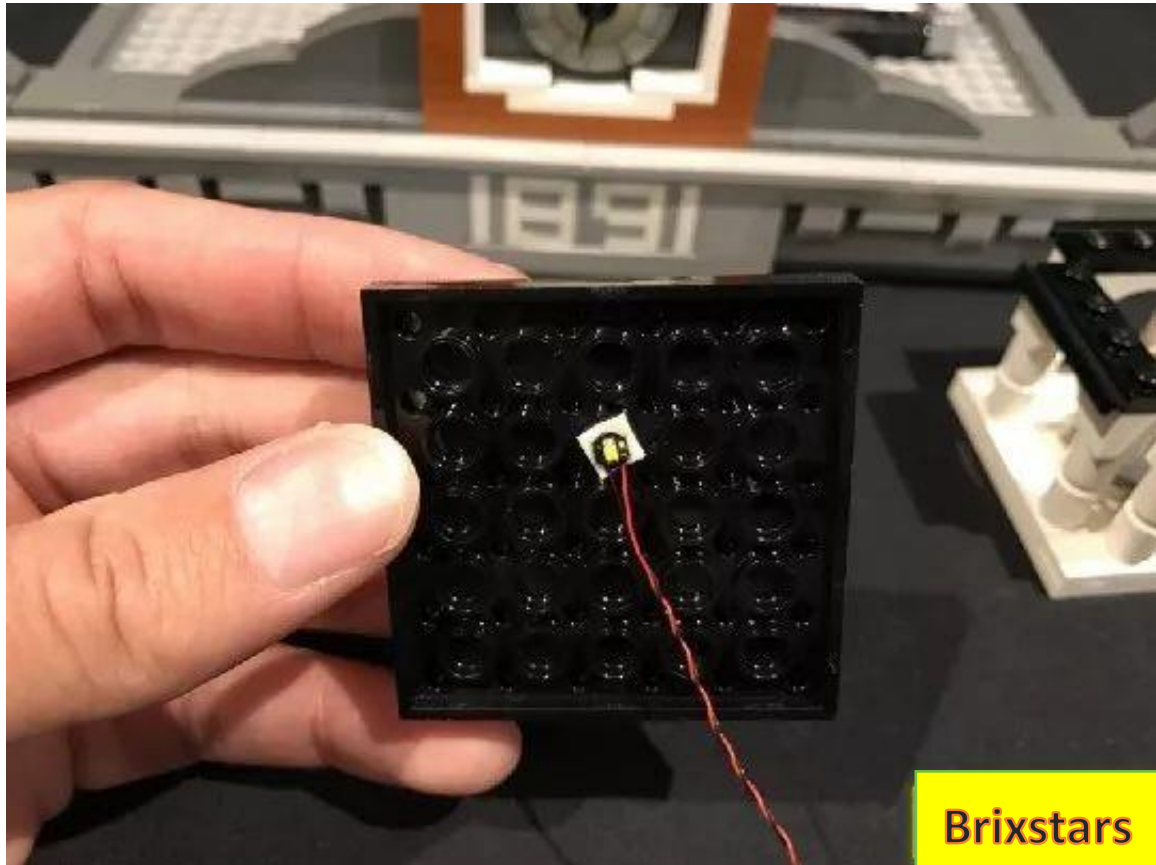
30.) Remove the spire and disassemble the parts as described below.



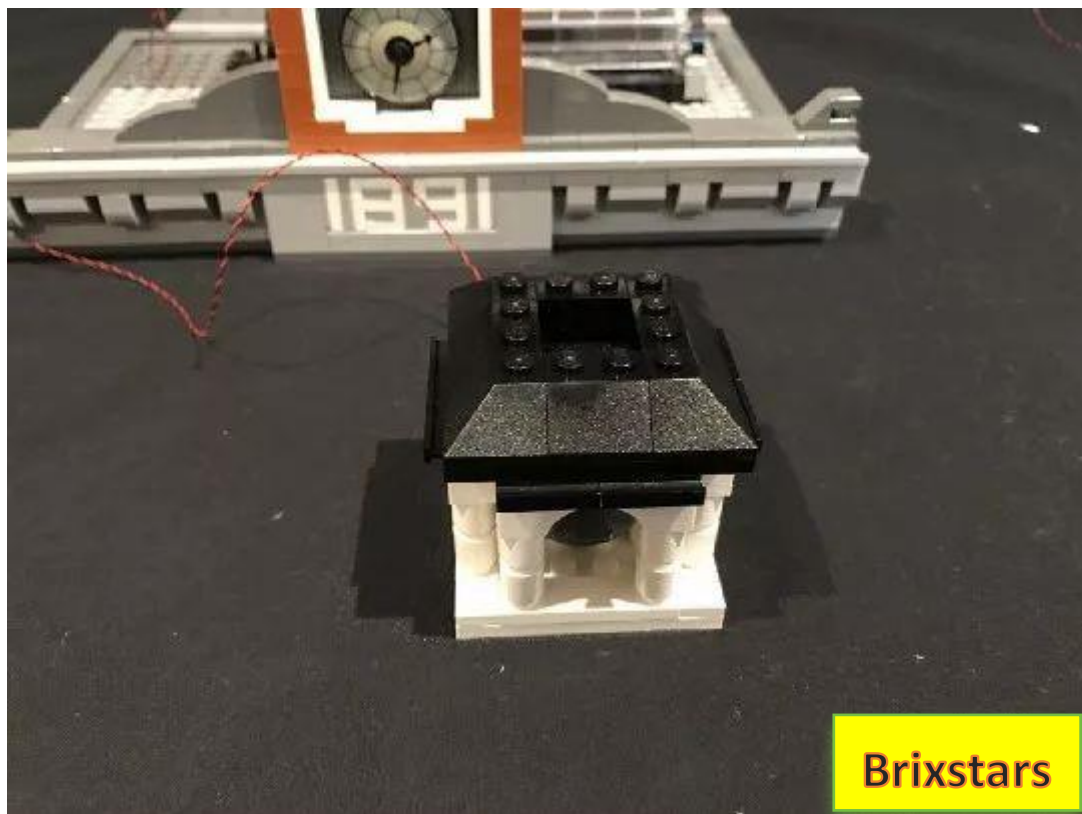
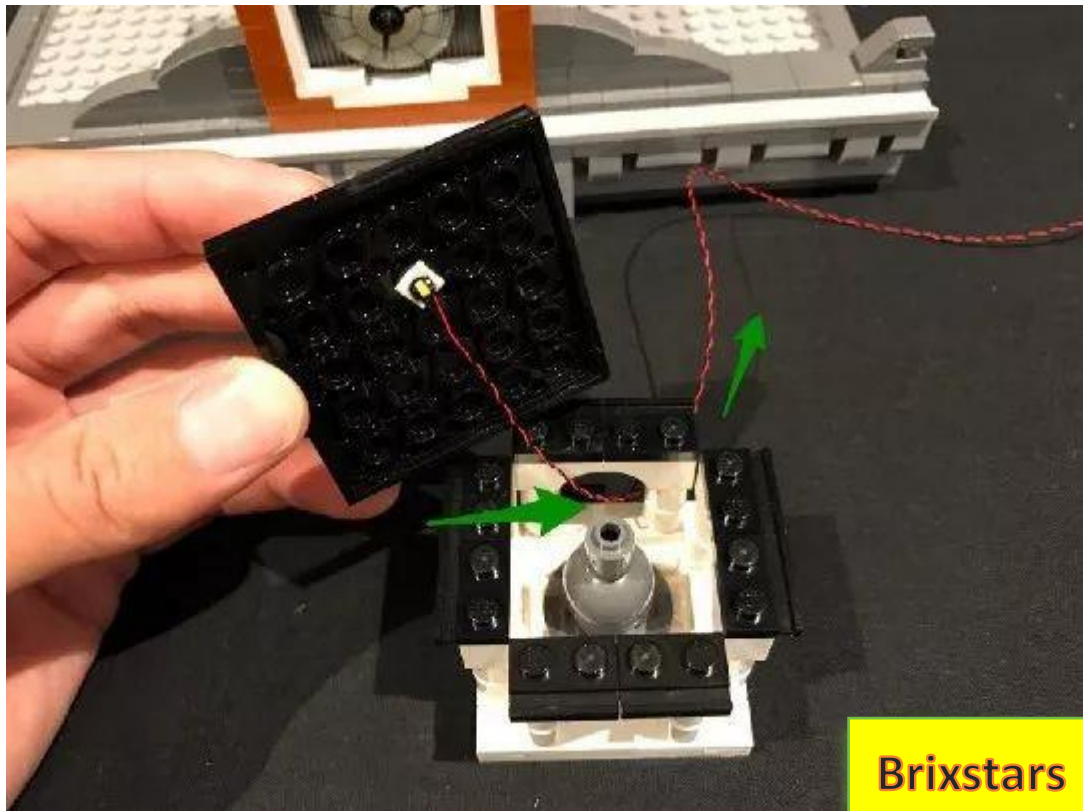


**Brixstars**

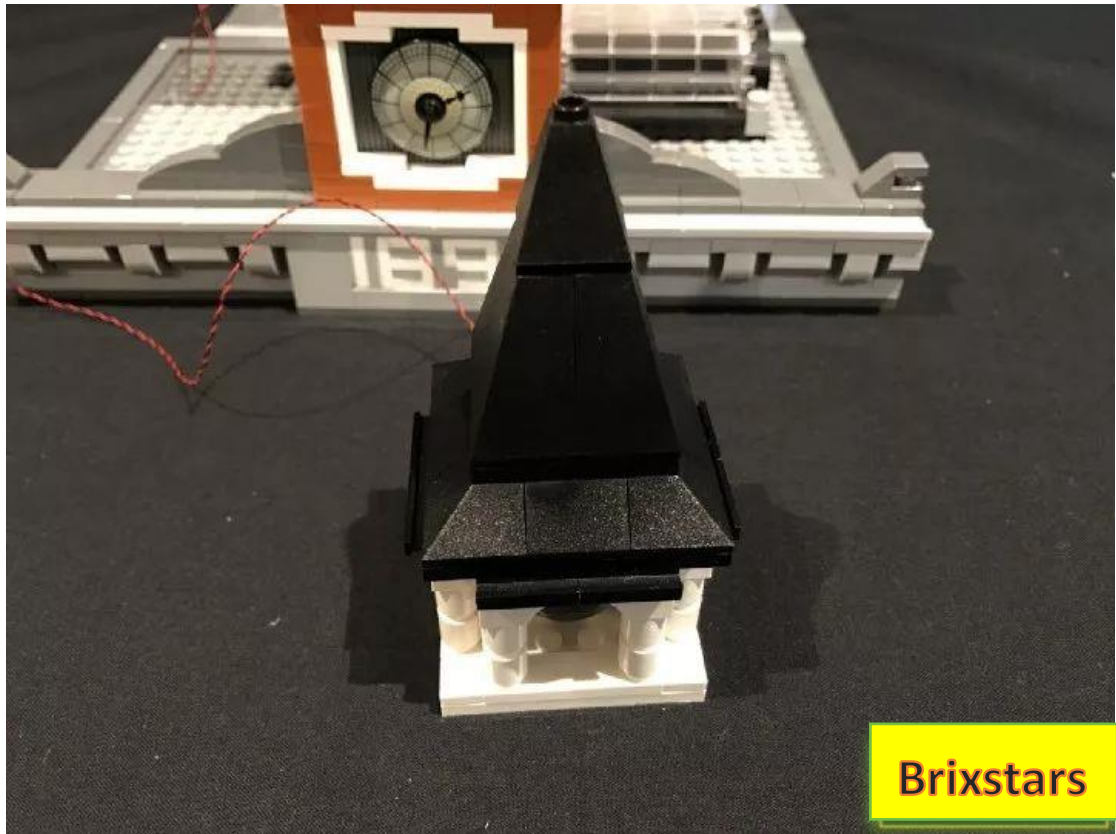
**30cm white light pellet** below it , and stick the pellet to the following position with **double-sided tape** .



Pass the wires through the gap at the back and then restore the section.

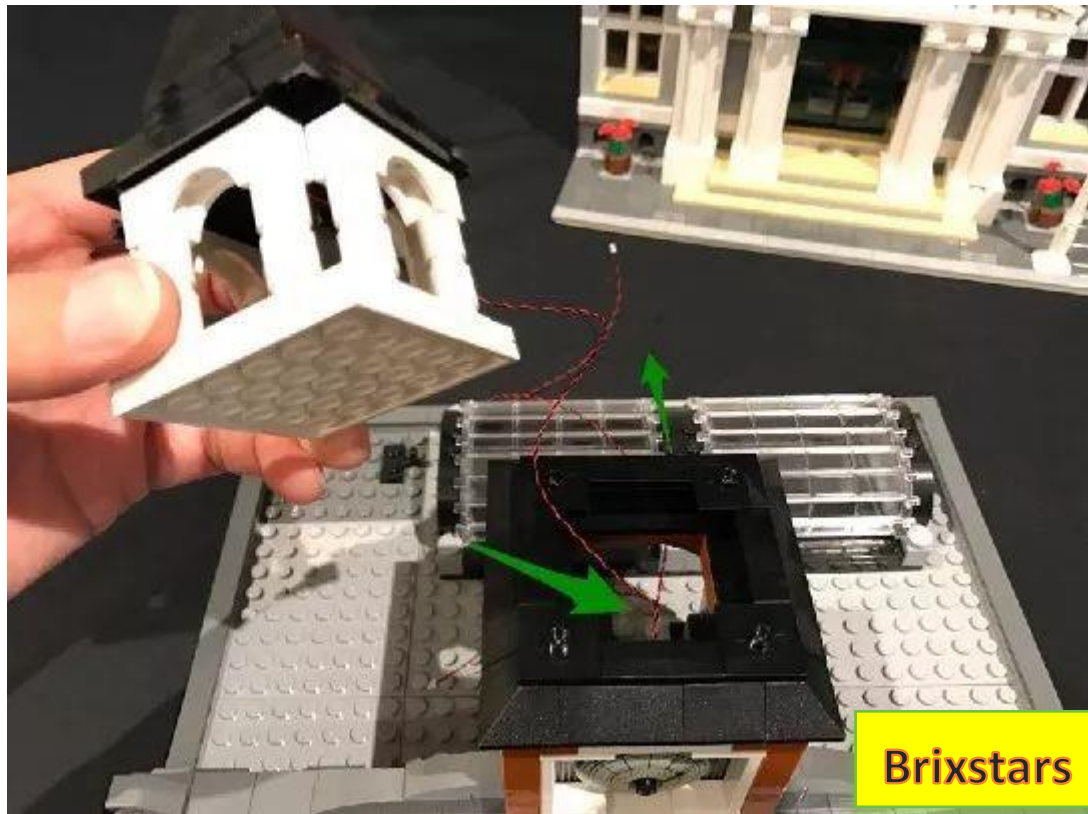






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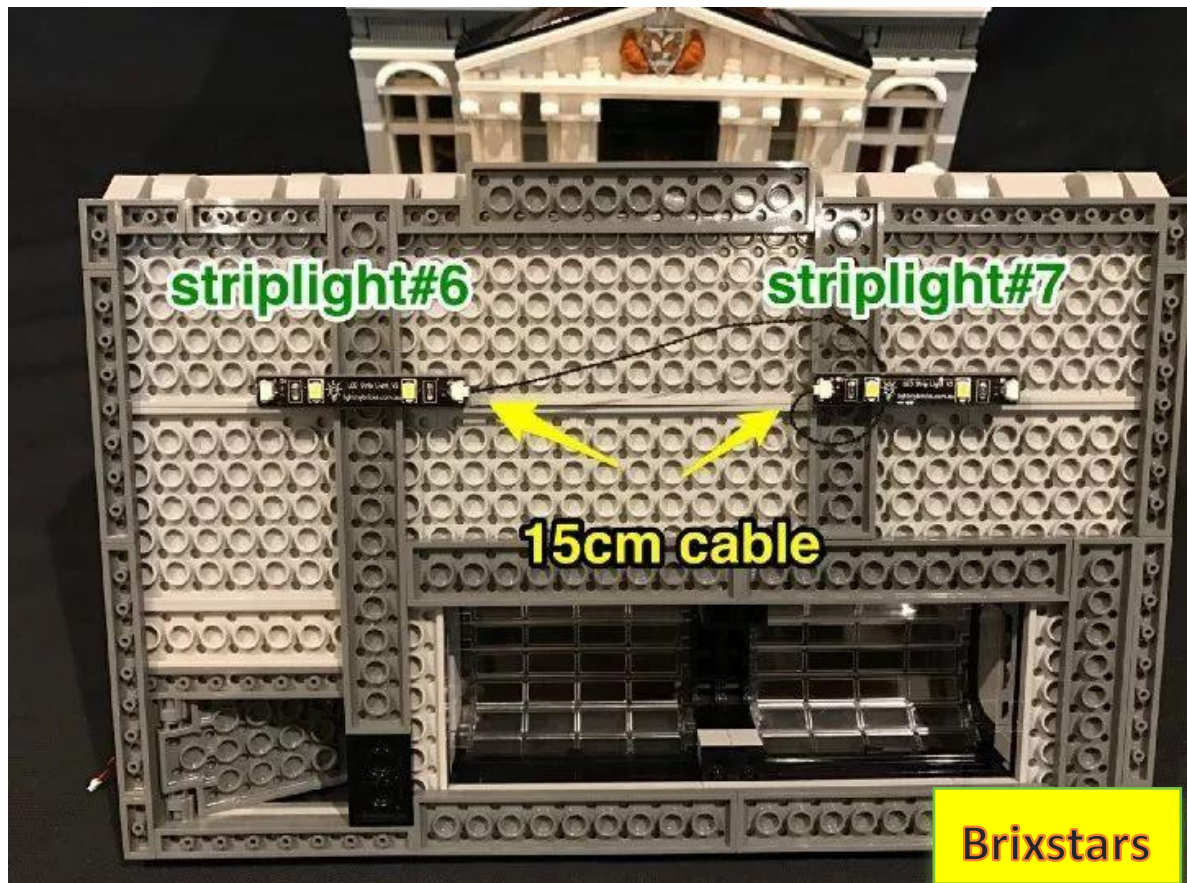
Restore the top part.



Before you put this section back on top of the clock, run the wires through the gap at the back.

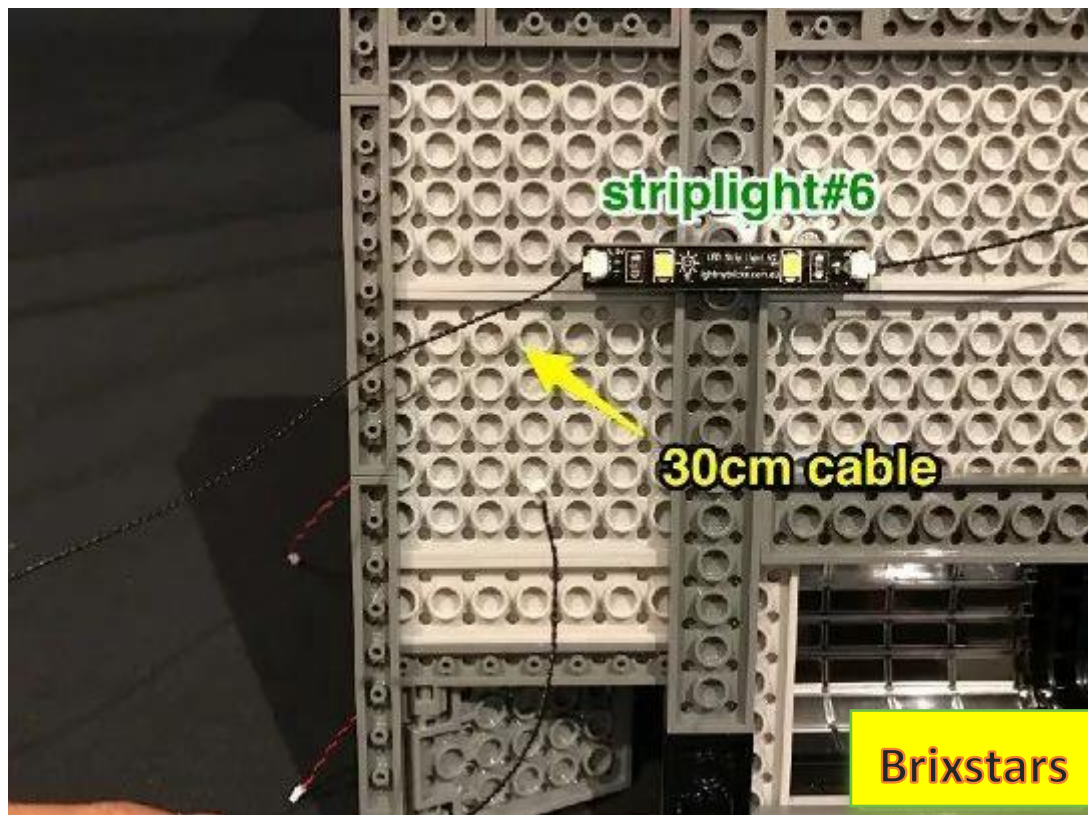


31.) Lay the roof on its side and install two light strips (Light Strip 6 and Light Strip 7) to the following locations. Use a **15CM connecting wire** to connect them together.

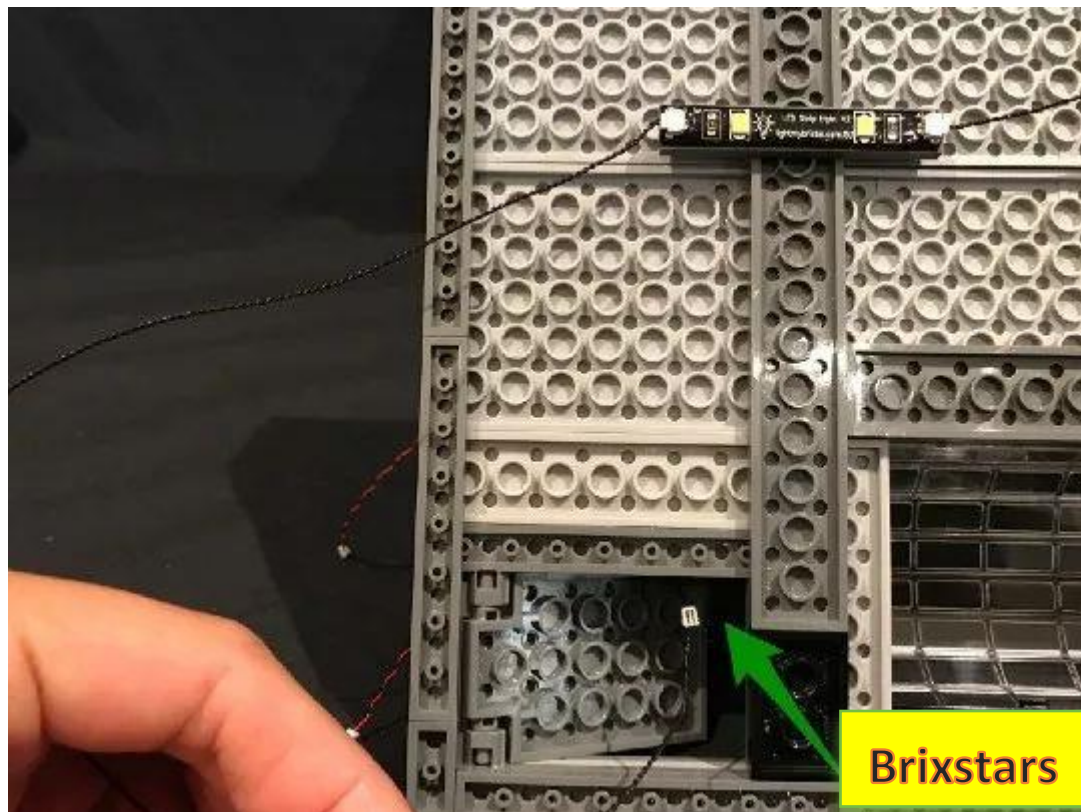




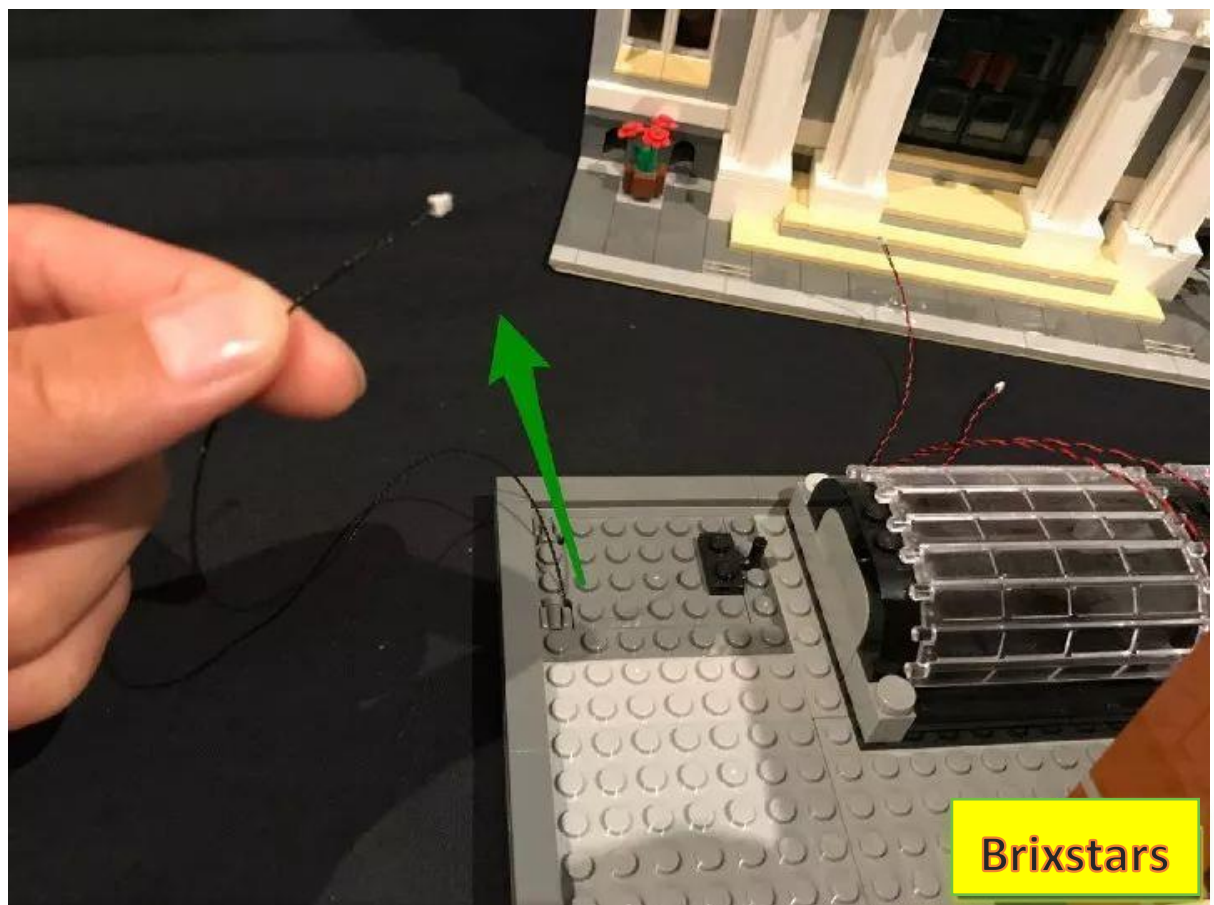
To prevent the 15CM wire from hanging down, you can press it behind the light bar, similar to what I did before



32.) Take a **30CM cable** and **connect it to** the left port of light bar #6, then pass it through the skylight on the roof. Pull it up completely from the other side.

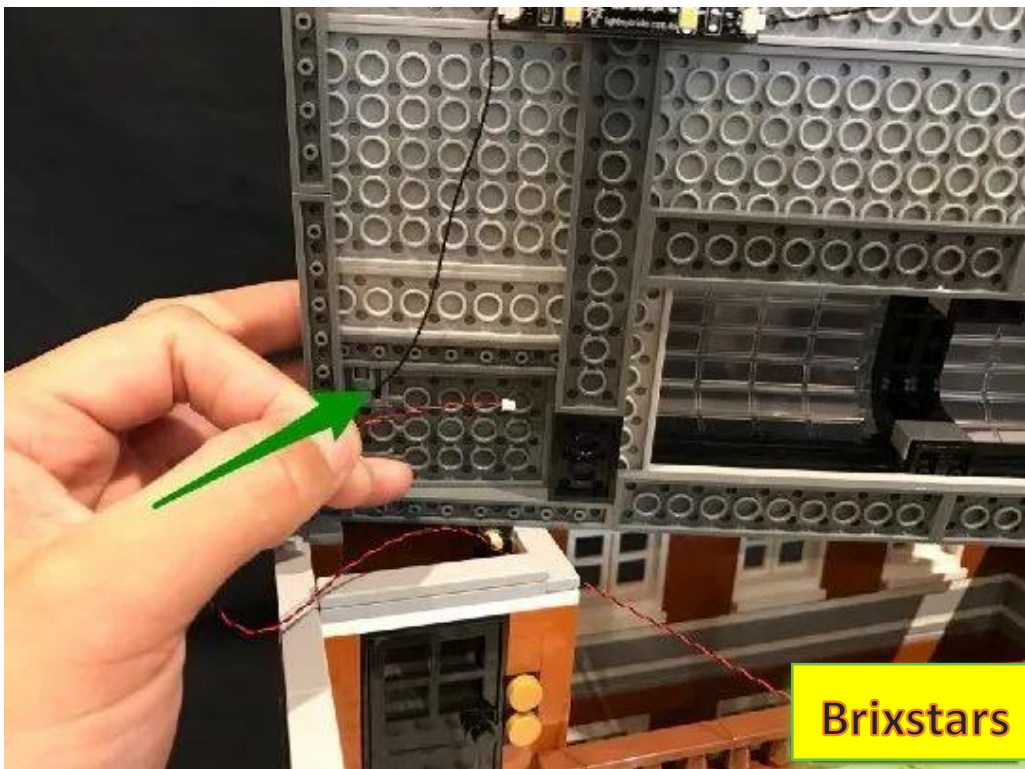
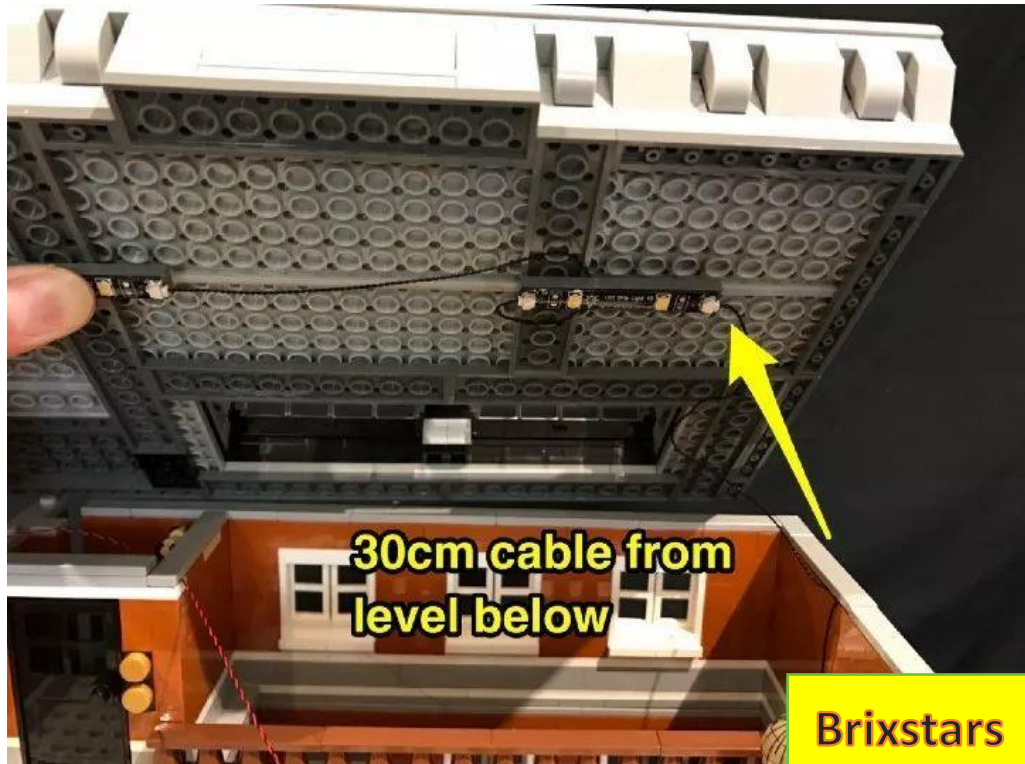


Before closing the sunroof, make sure the wires are passed through the gap at the connection.



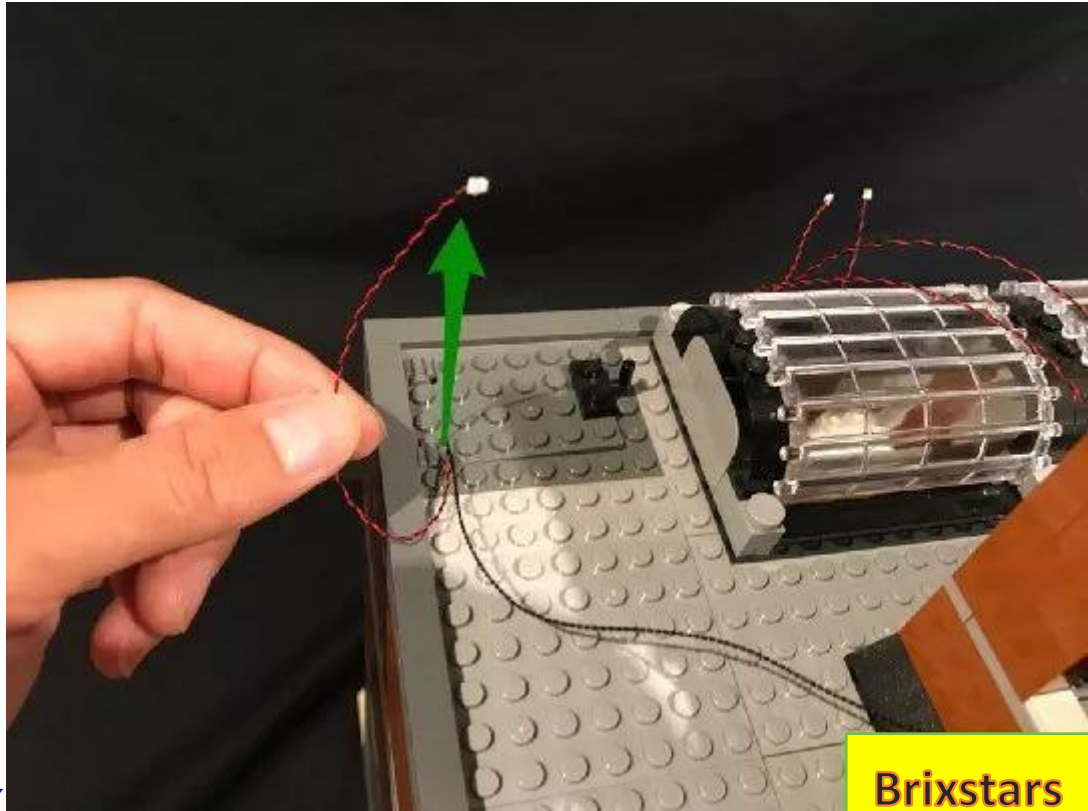


33.) Take the roof above the third floor and find the 30CM wire we pulled up from the lower floor. Connect it to the free port on **light strip #7** .





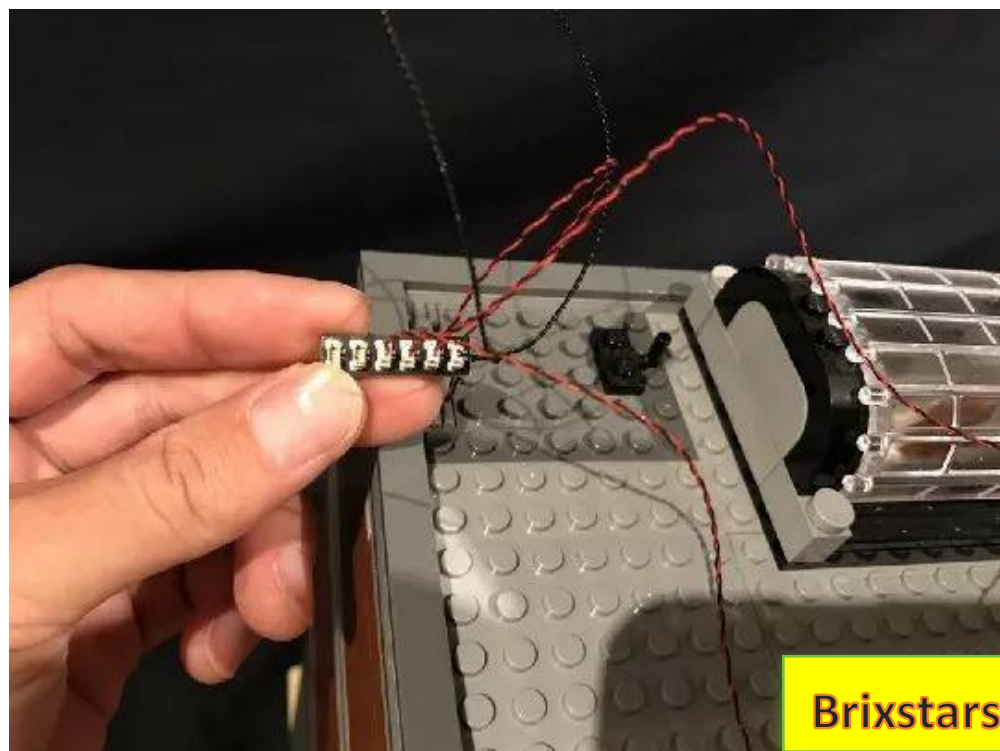
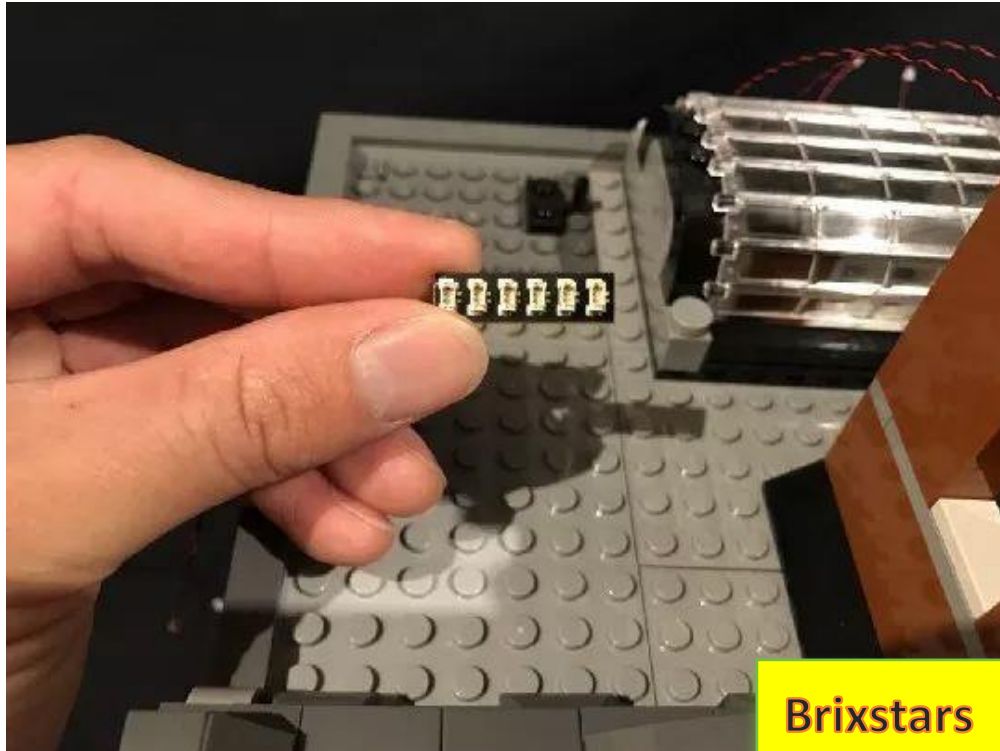
Pass the three layers of light wires through the roof.



Restoring the roof



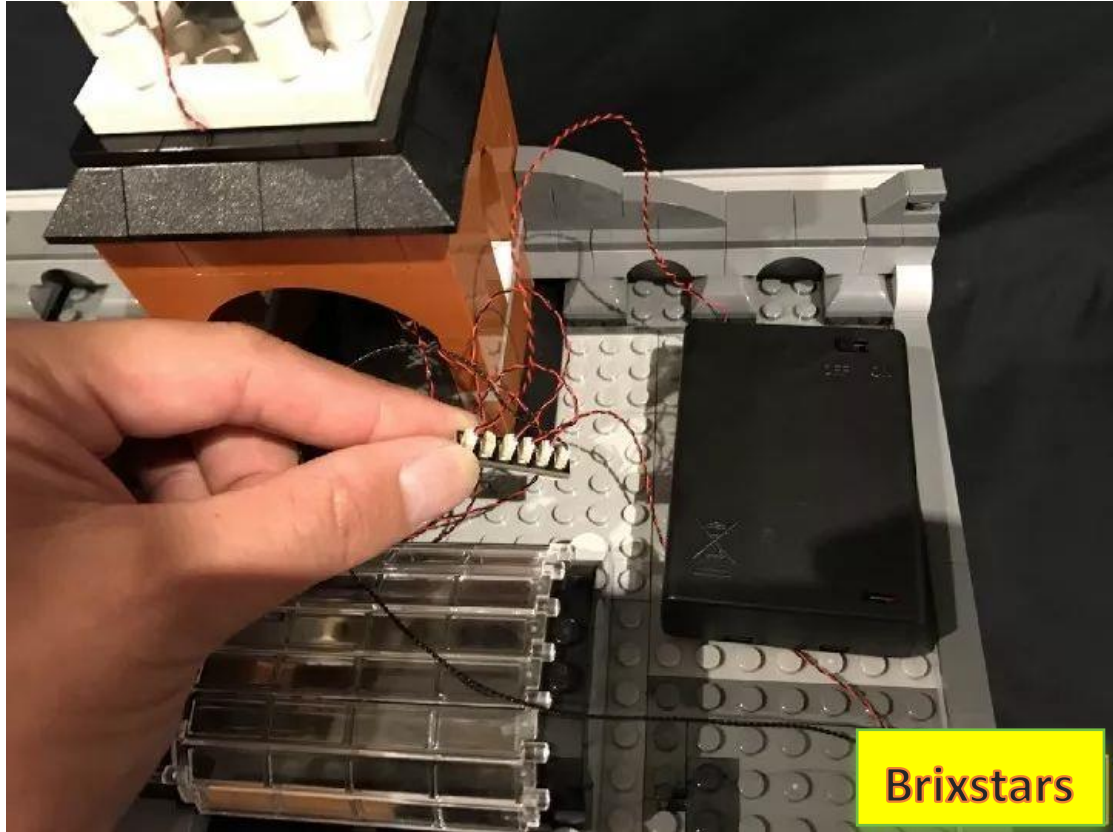
34.) Take the last **6-port socket** and connect the 30cm connecting wire and all the light grain wires on the roof to the available ports.



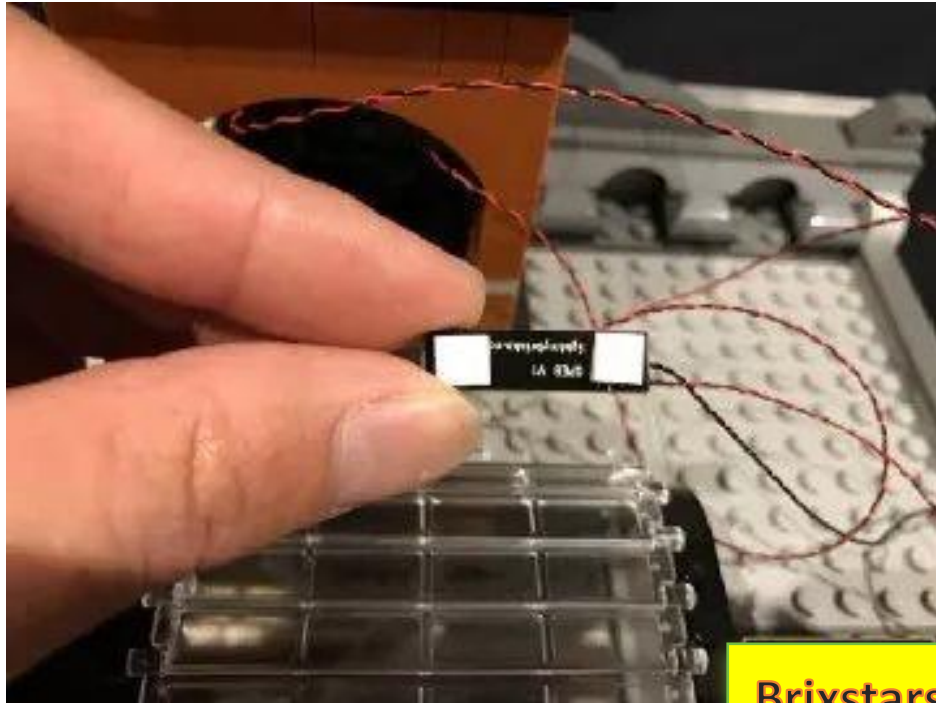




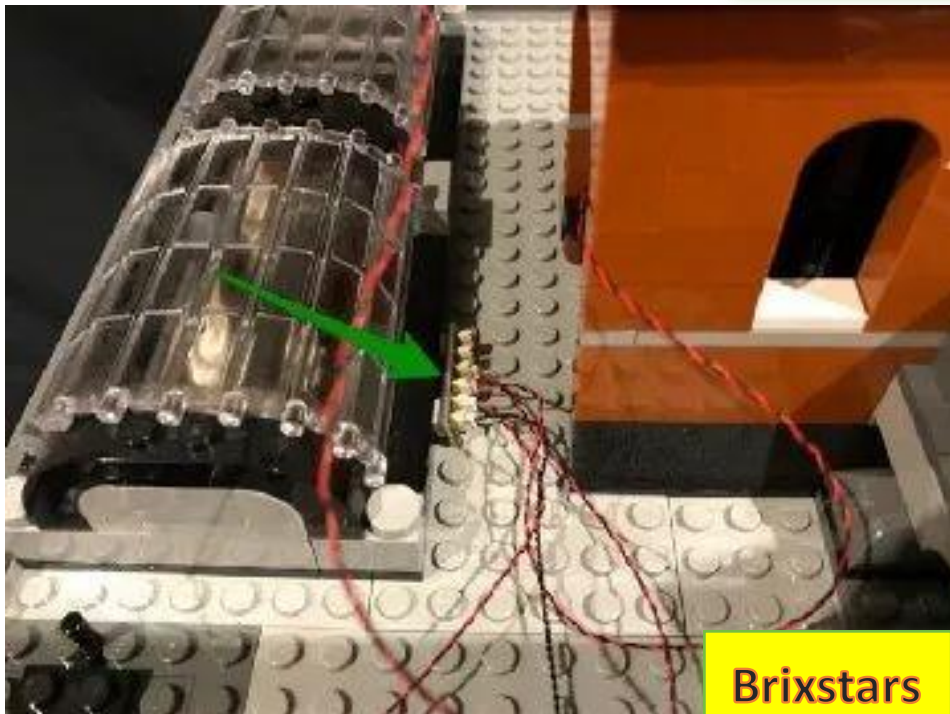
35.) Place **the battery box** on the roof and connect the battery box wires to the outlet.



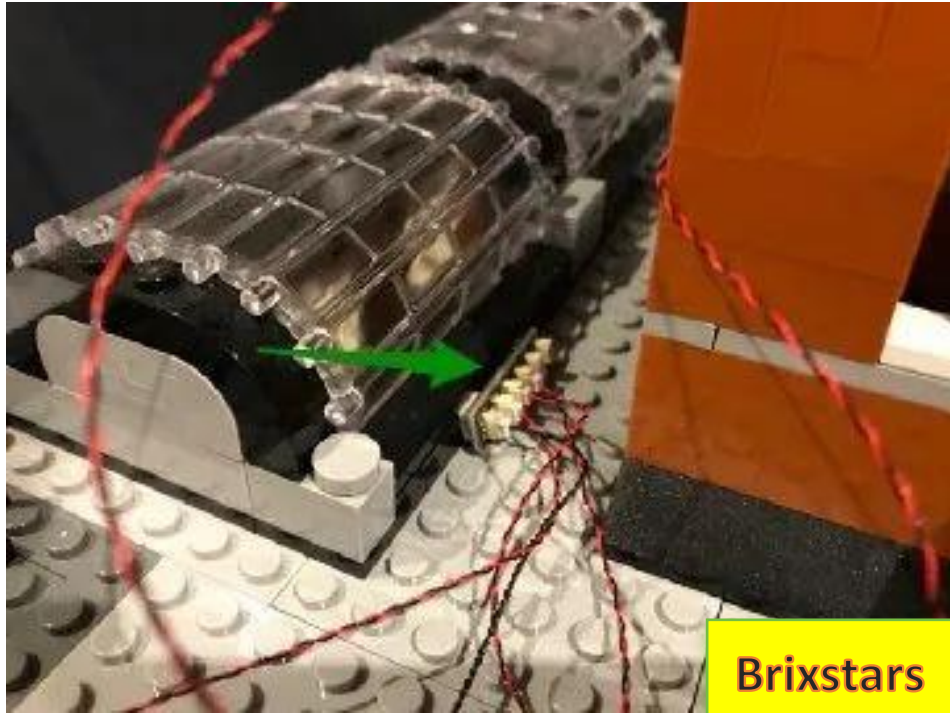
Use double-sided tape to mount the sockets to the following locations on the top of the roof .



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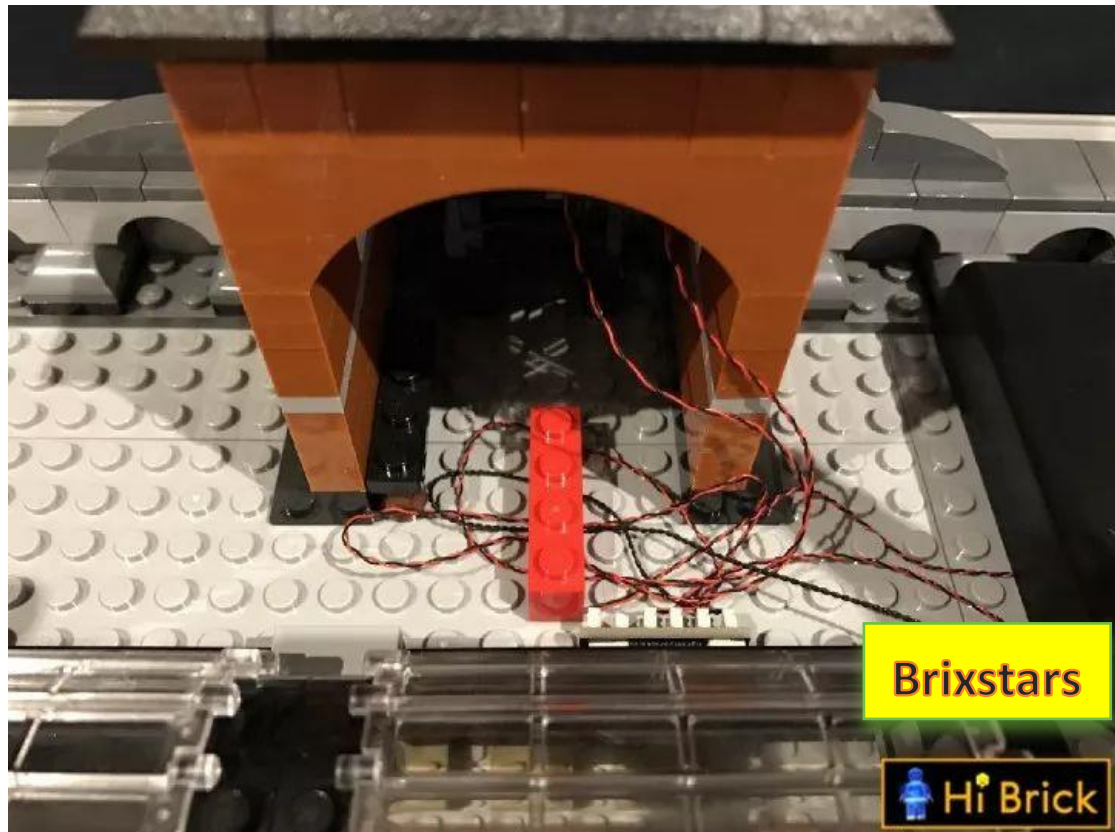


**Brixstars**



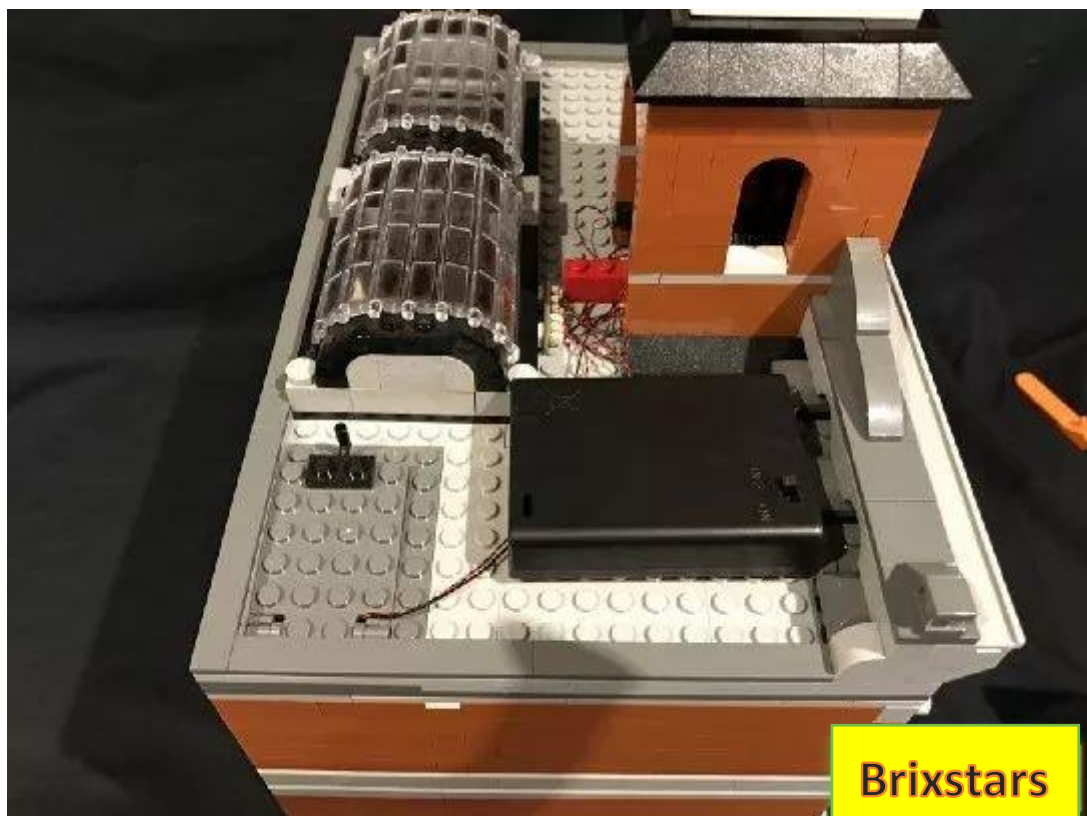
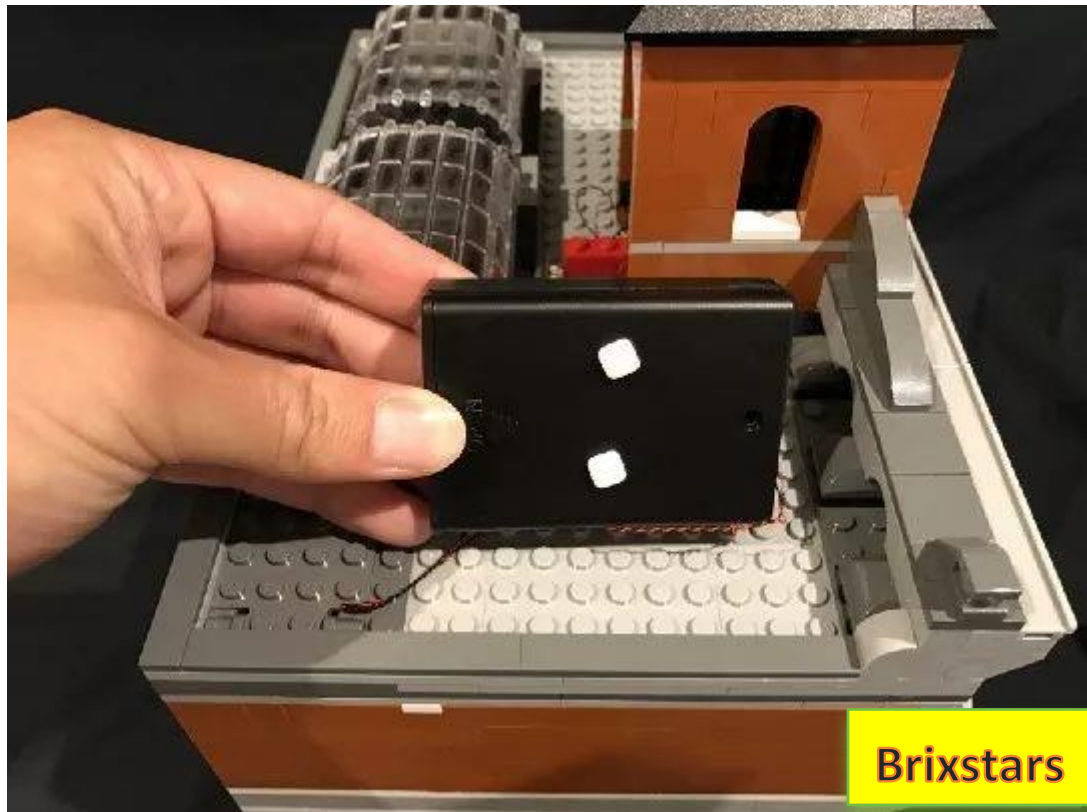
Brixstars

36.) Organize the wires, group all the wires together, and tuck them under the tower. You can use blocks you have on hand to secure the wires, like I did below.





Secure the battery box with double-sided tape.



Now, the installation of the City Hall LED Lighting Kit is complete. Turn it on and enjoy!



Have fun!