Light My Bricks
Installation Instructions for Light My Bricks LED Lighting Kits
Mar 27 · 20 min read

Light My Bricks: Taj Mahal Lighting Kit

The following page is instructions for the Light My Bricks LEGO Taj Mahal (10256) LED light kit. You purchase this kit on our **official website.**

To ensure a trouble-free installation of your light kit, please read and follow each step carefully.

If you run into any issues, please refer to the **online troubleshooting guide**.

This user guide is also available to download in **PDF format here**.

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Package contents:

- 8x **White 30cm Bit Lights**
- 9x **White Strip Lights**
- 2x **Multi Colour Strip Lights**
- 1x **8-Port Expansion Board**
- 6x **6-Port Expansion Boards**
- 7x **30cm Connecting Cables**
- 10x **15cm Connecting Cables**
- 1x **USB Power Cable 30cm**
- 6x **Adhesive Squares**

LEGO Pieces

- 9x **LEGO Plate 1x6 (any colour)**
- 4x **Plate 1x2** (any colour)

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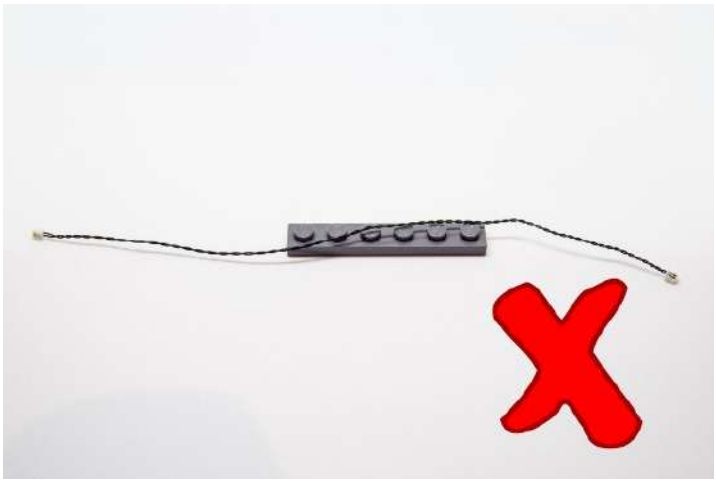
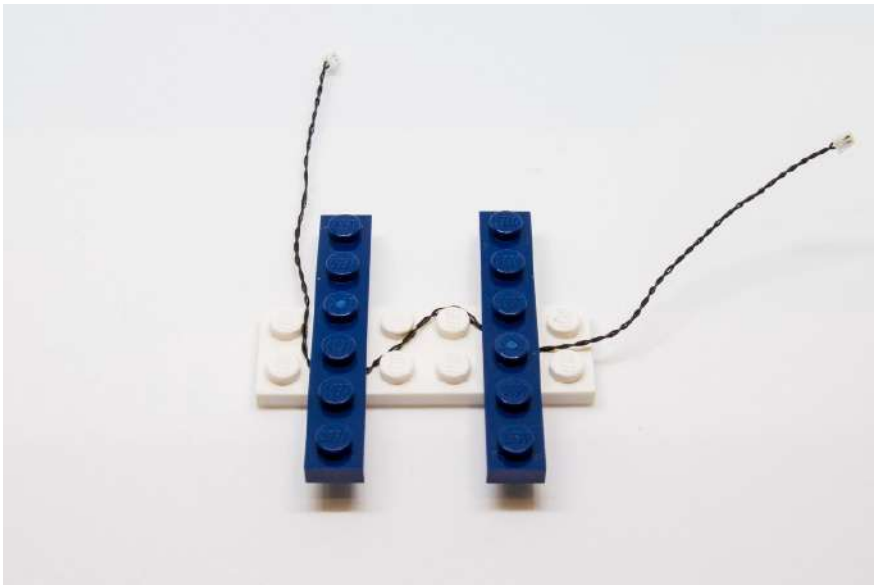
Important things to note:

Laying cables in between and underneath bricks

Cables can fit in between and underneath LEGO® bricks, plates, and tiles providing they are laid correctly between the LEGO® studs. Do NOT forcefully join LEGO® together around cables; instead ensure they are laying comfortably in between each stud.

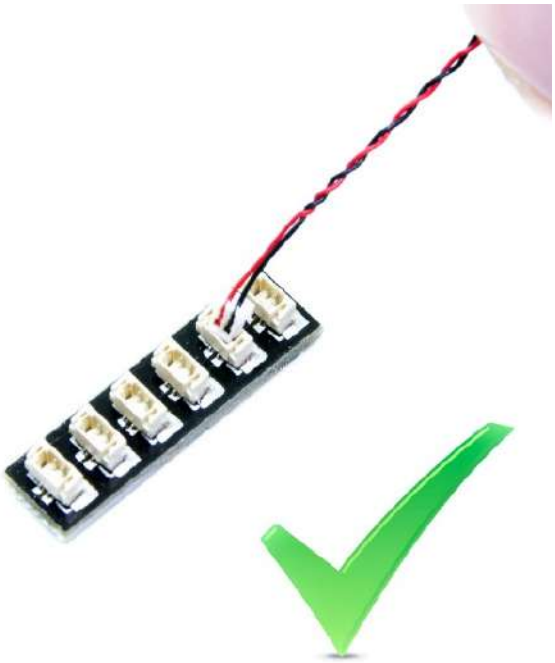


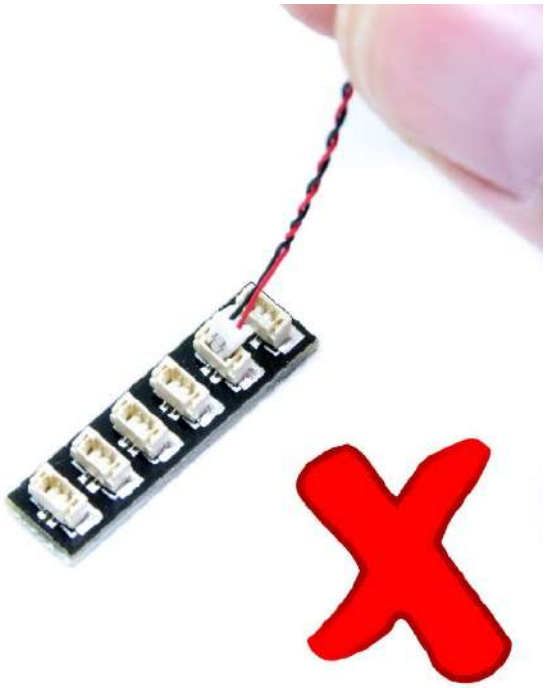


CAUTION: Forcing LEGO® to connect over a cable can result in damaging the cable and light.

Connecting cable connectors to Expansion Boards

Take extra care when inserting connectors to ports of Expansion Boards. Connectors can be inserted only one way. With the expansion board facing up, look for the soldered "=" symbol on the left side of the port. The connector side with the wires exposed should be facing toward the soldered "=" symbol as you insert into the port. If a plug won't fit easily into a port connector, do not force it.

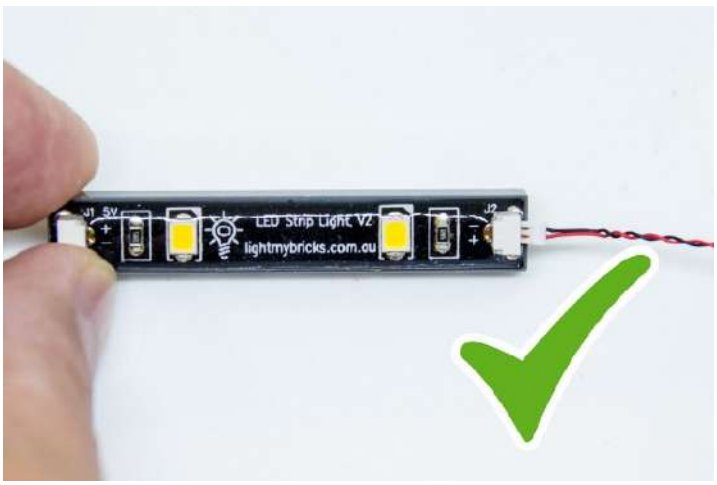


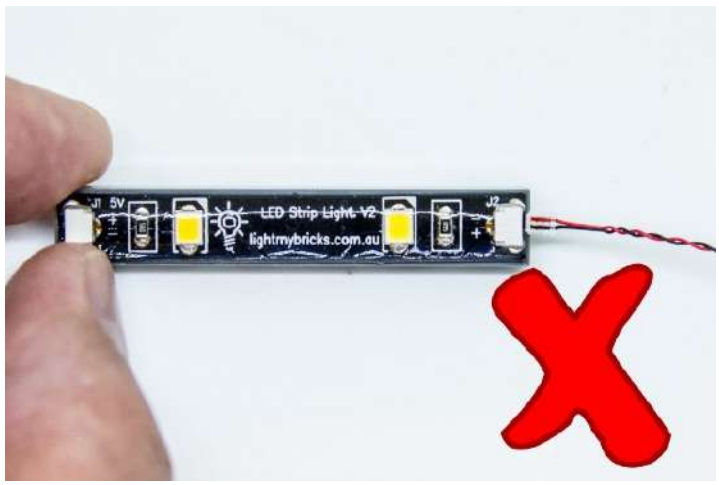


Incorrectly inserting the connector can can result in bent pins inside the port or possible overheating of the expansion board when connected.

Connecting cable connectors to Strip Lights

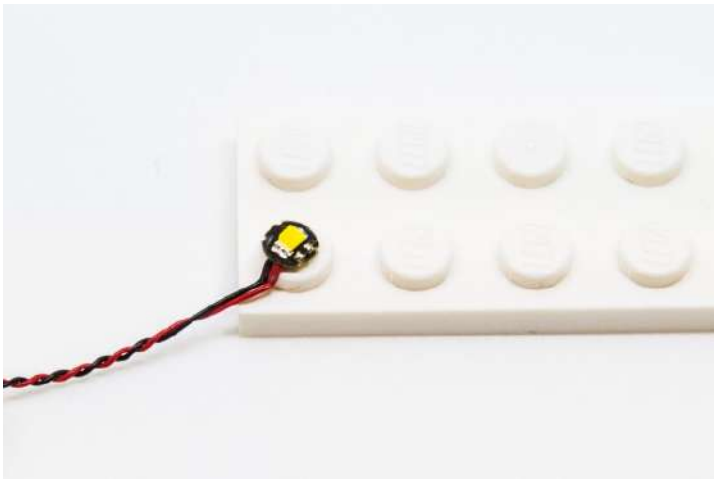
Take extra care when inserting connectors to ports on the Strip Lights. Connectors can be inserted only one way. With the Strip Light facing up, ensure the side of the connector with the wires exposed is facing down. If a plug won't fit easily into a port connector, don't force it. Doing so will damage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

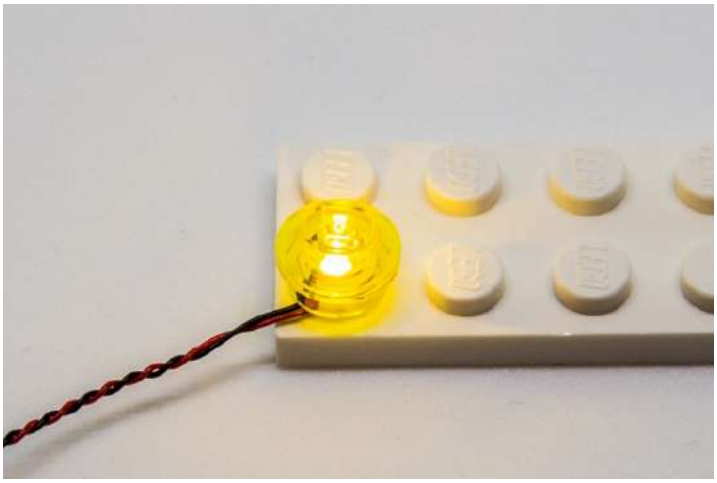


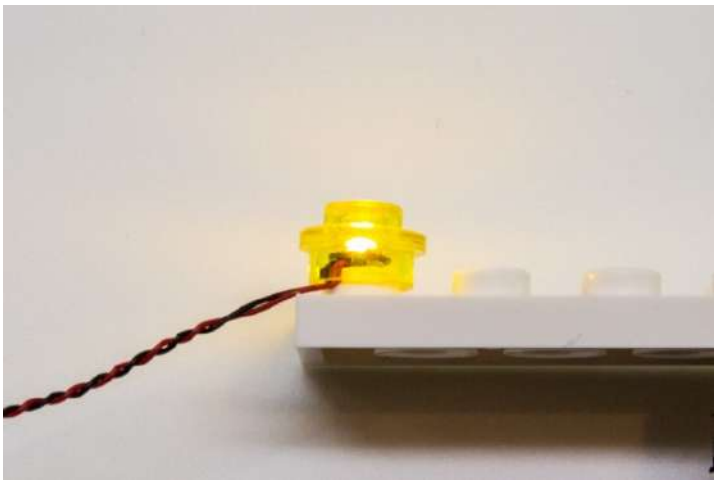


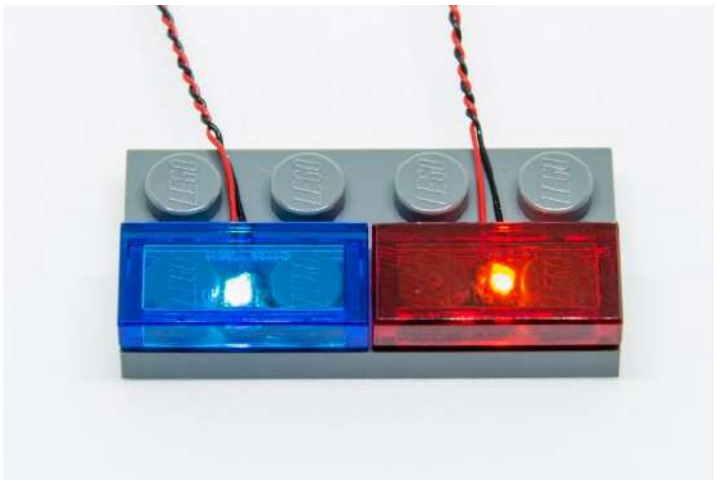
Installing Bit Lights under LEGO® bricks and plates.

When installing Bit Lights under LEGO® pieces, ensure they are placed the correct way up (Yellow LED component exposed). You can either place them directly on top of LEGO® studs or in between.









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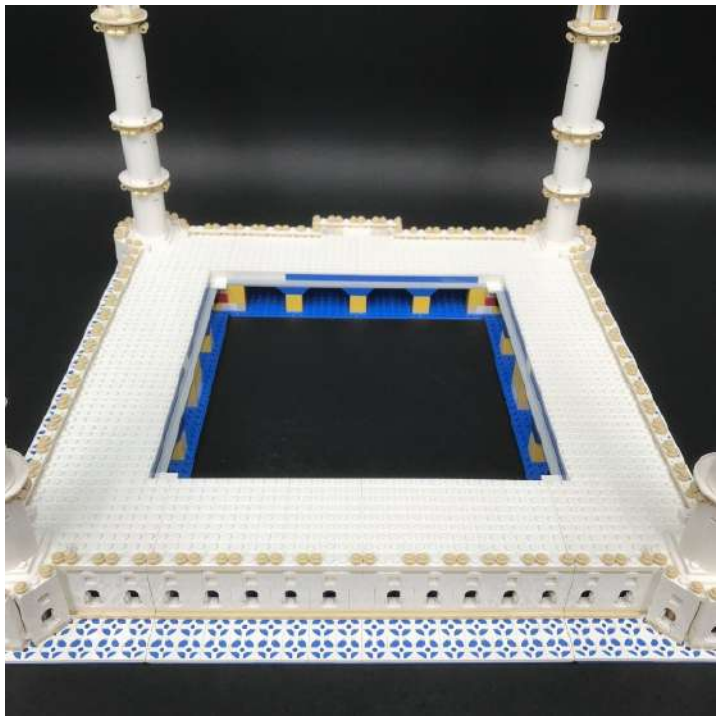
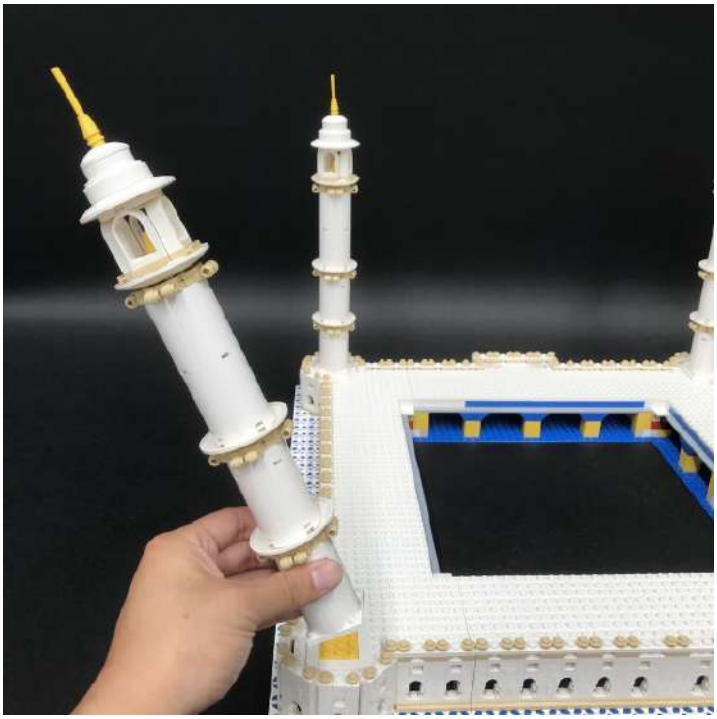
OK, Let's Begin!

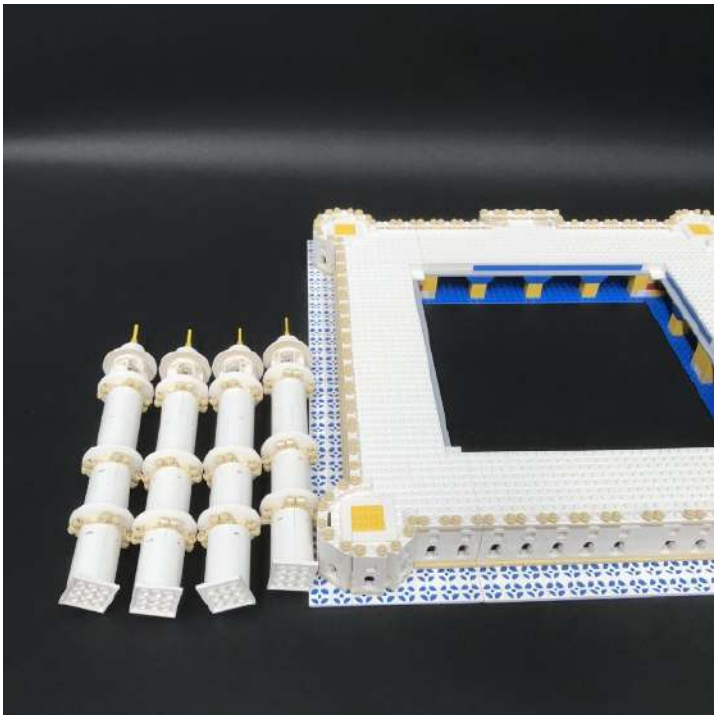
Instructions for this Kit

1.) Start by removing the center tower as well as the second level of the Taj Mahal.



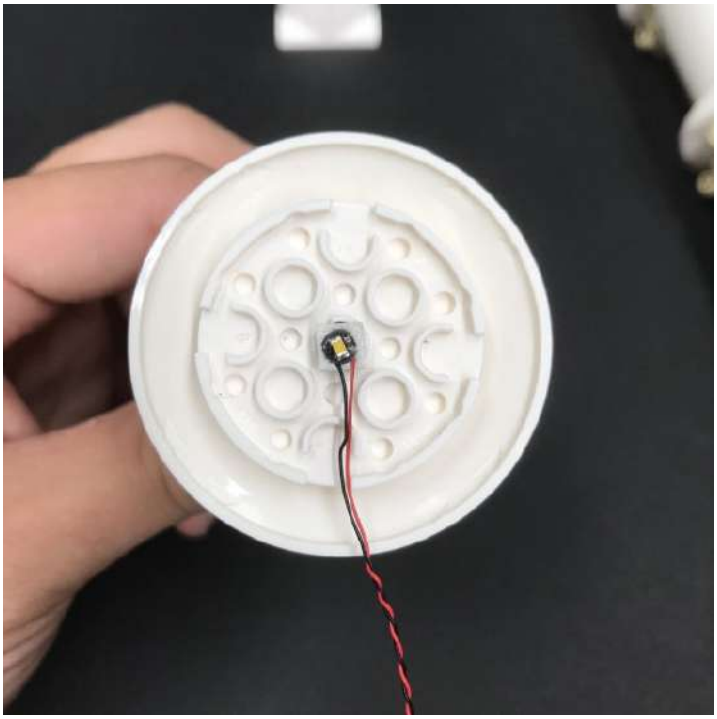
2.) Disconnect the four towers.



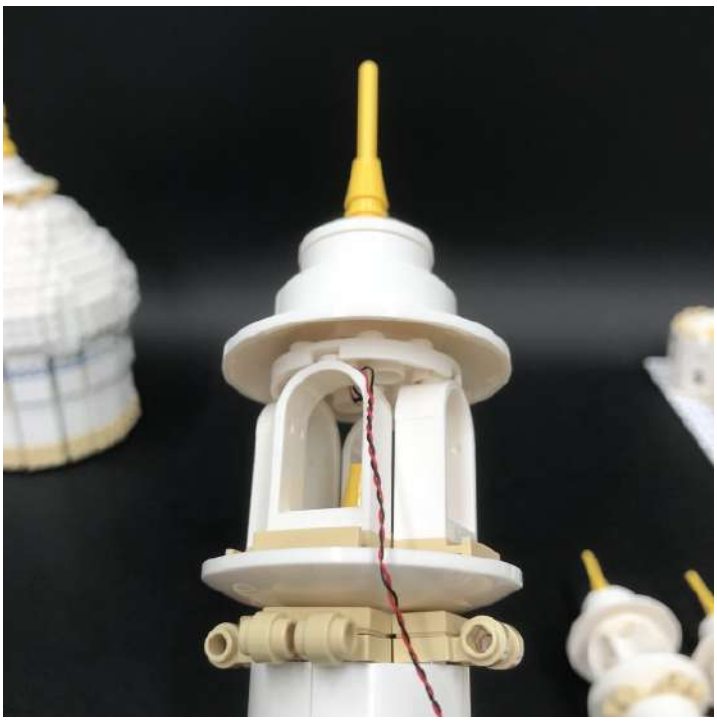


3.) Take one of the towers and disconnect the roof as per below:

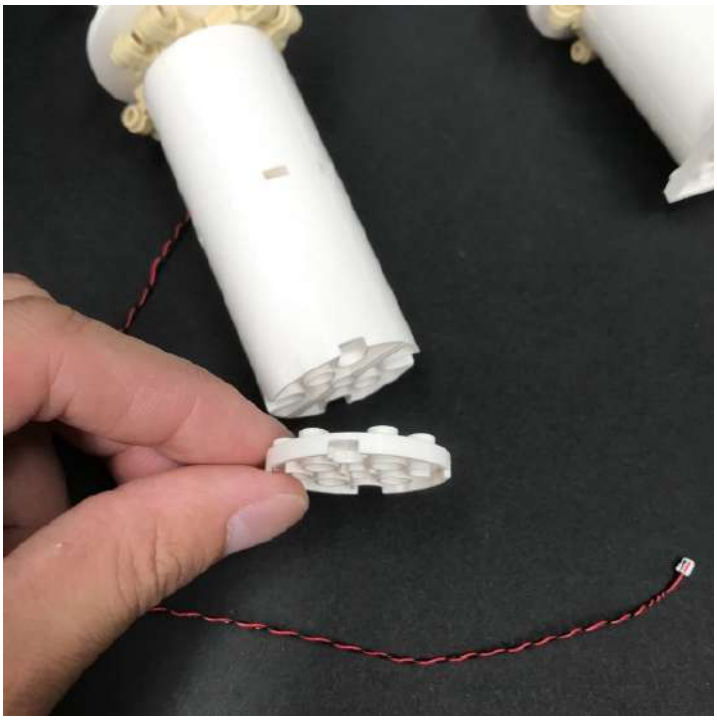
Take a **White 30cm Bit Light** and stick it underneath the roof in the centre using an **Adhesive Square**.

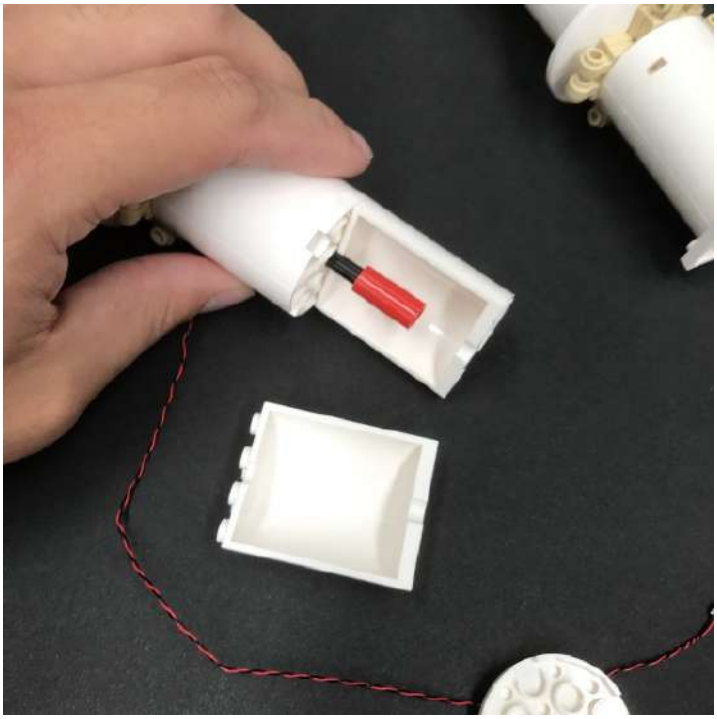


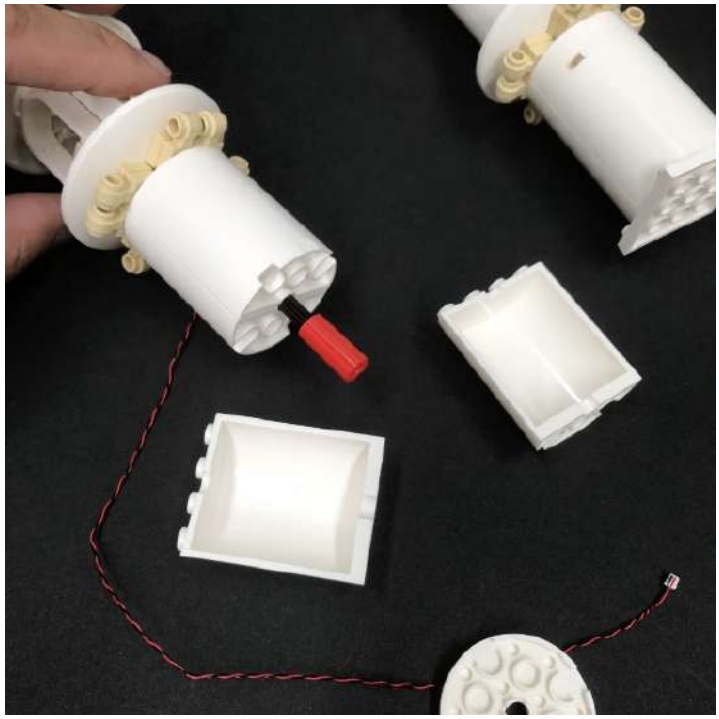
4.) Reconnect the roof ensuring the cable from the Bit Light is facing one of the corners, then disconnect the bottom of the tower from the below position:



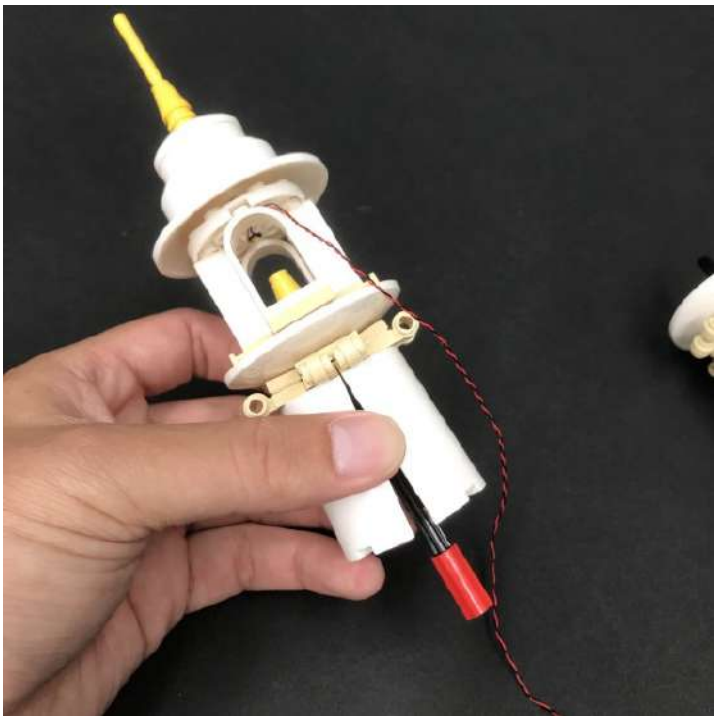
5.) Take the top of the tower and then disconnect the following pieces from the bottom:

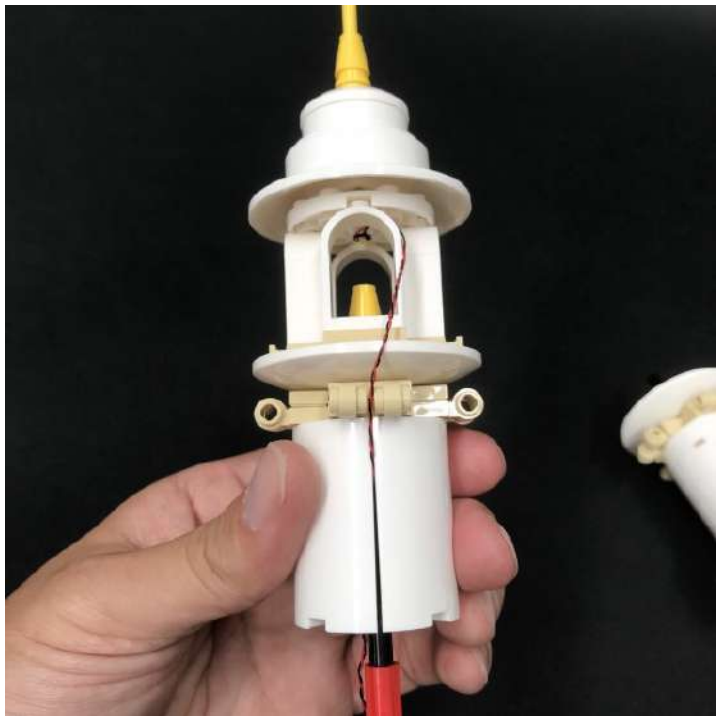




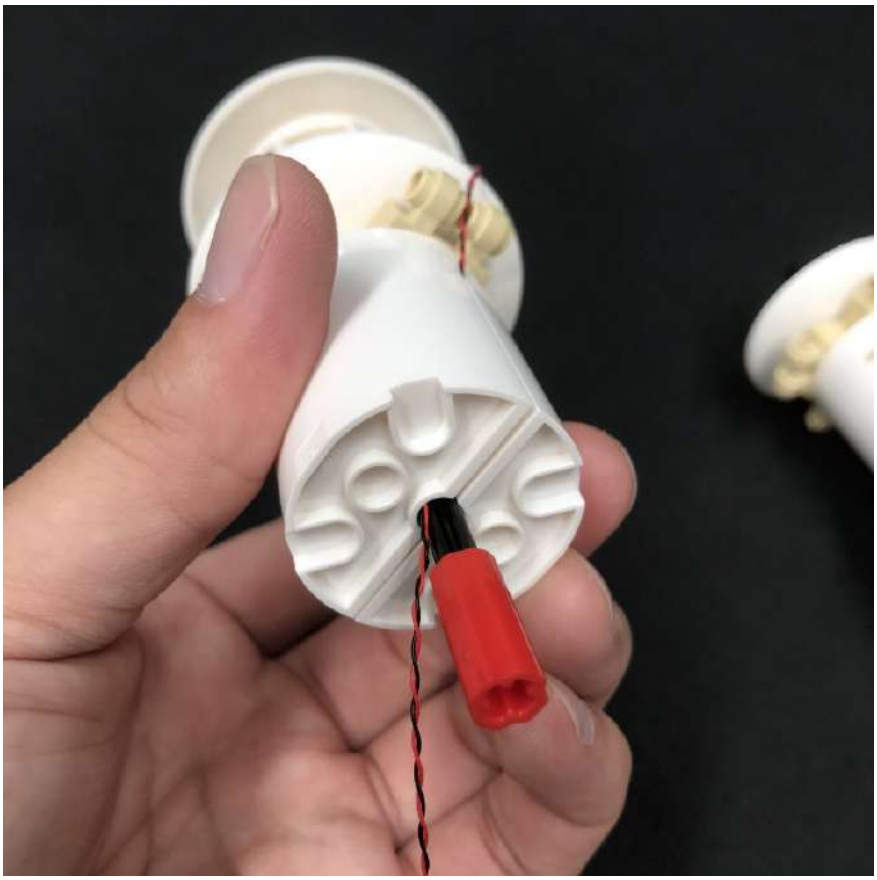


Gently pull apart the two upper round wall sections and then slip the Bit Light cable inside.

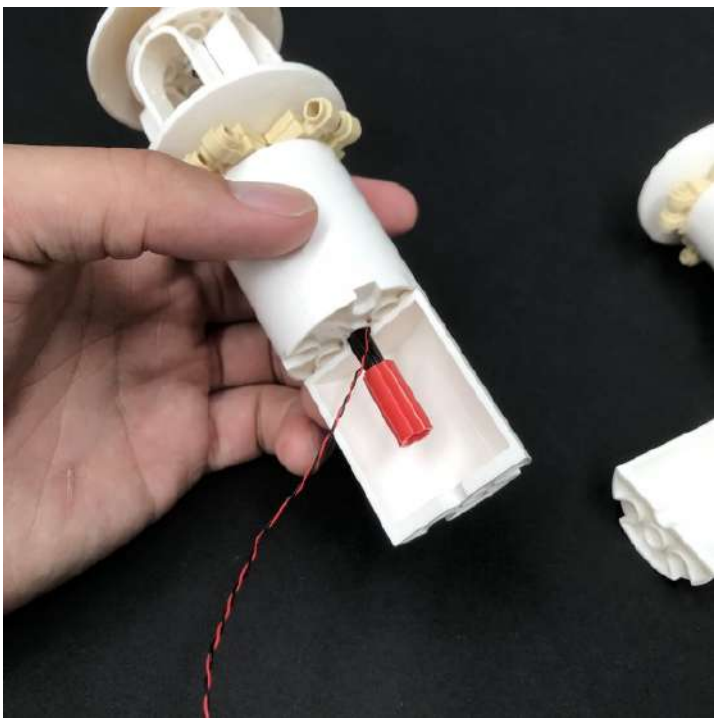


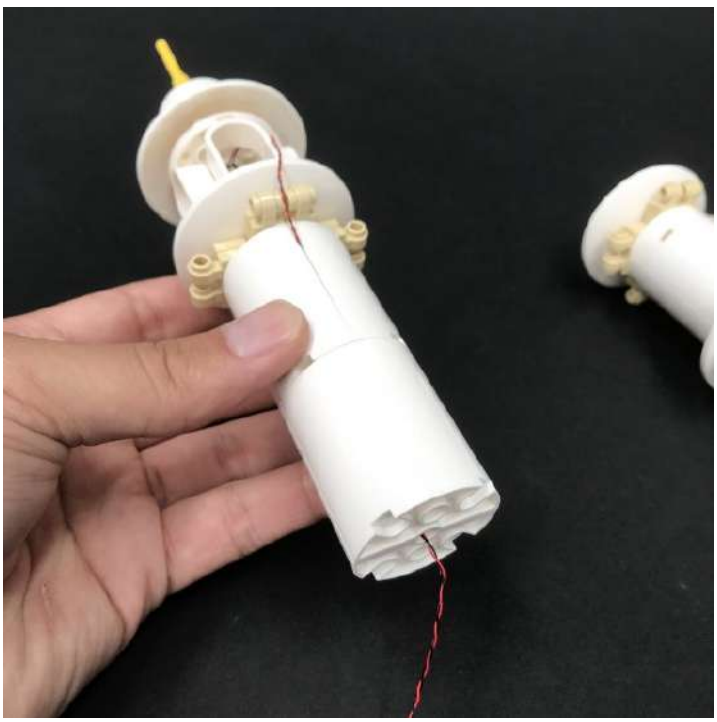


Lay the cable down the middle of the wall sections and then close them up.

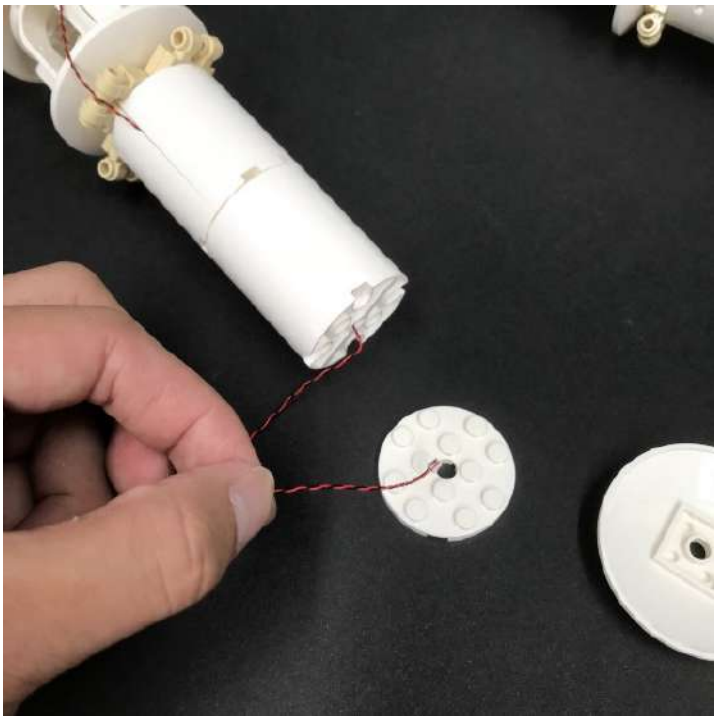


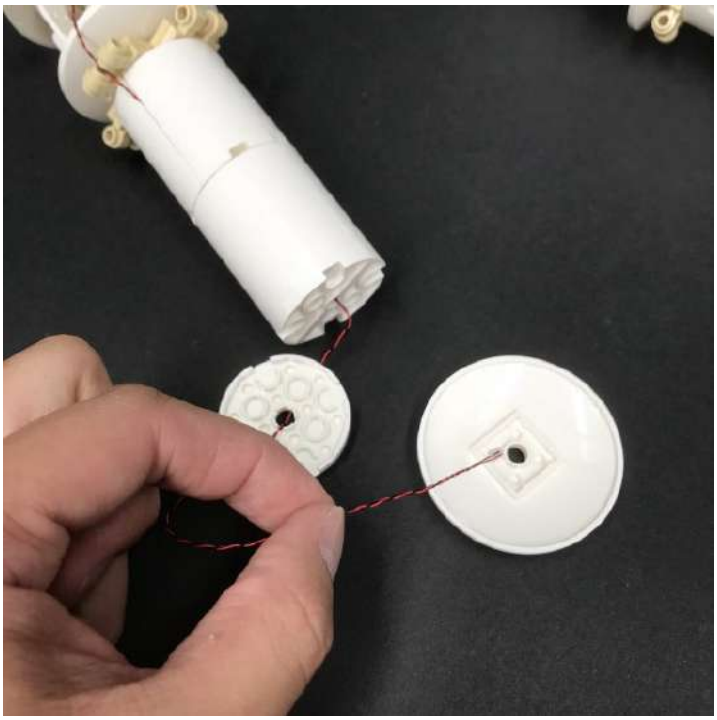
Reconnect the two lower wall sections ensuring the Bit Light cable is laid down the middle.





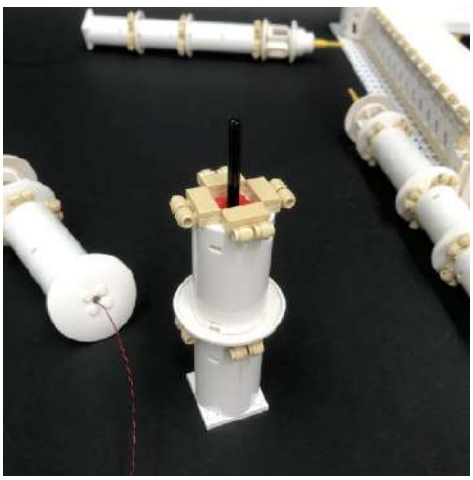
Thread the end of the Bit Light Cable down the top of the round plate below and then thread the cable down the bottom of the white dish.

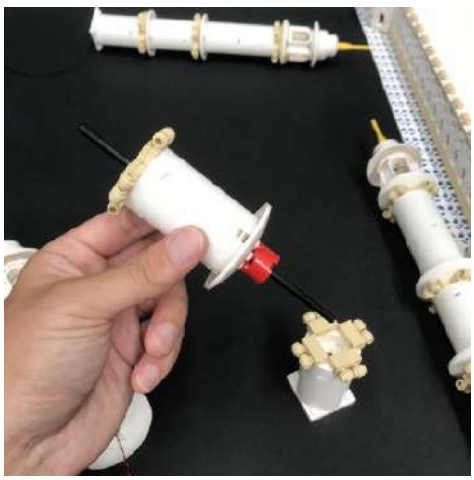


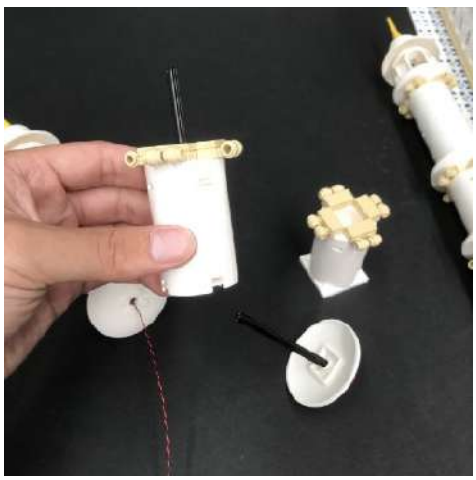


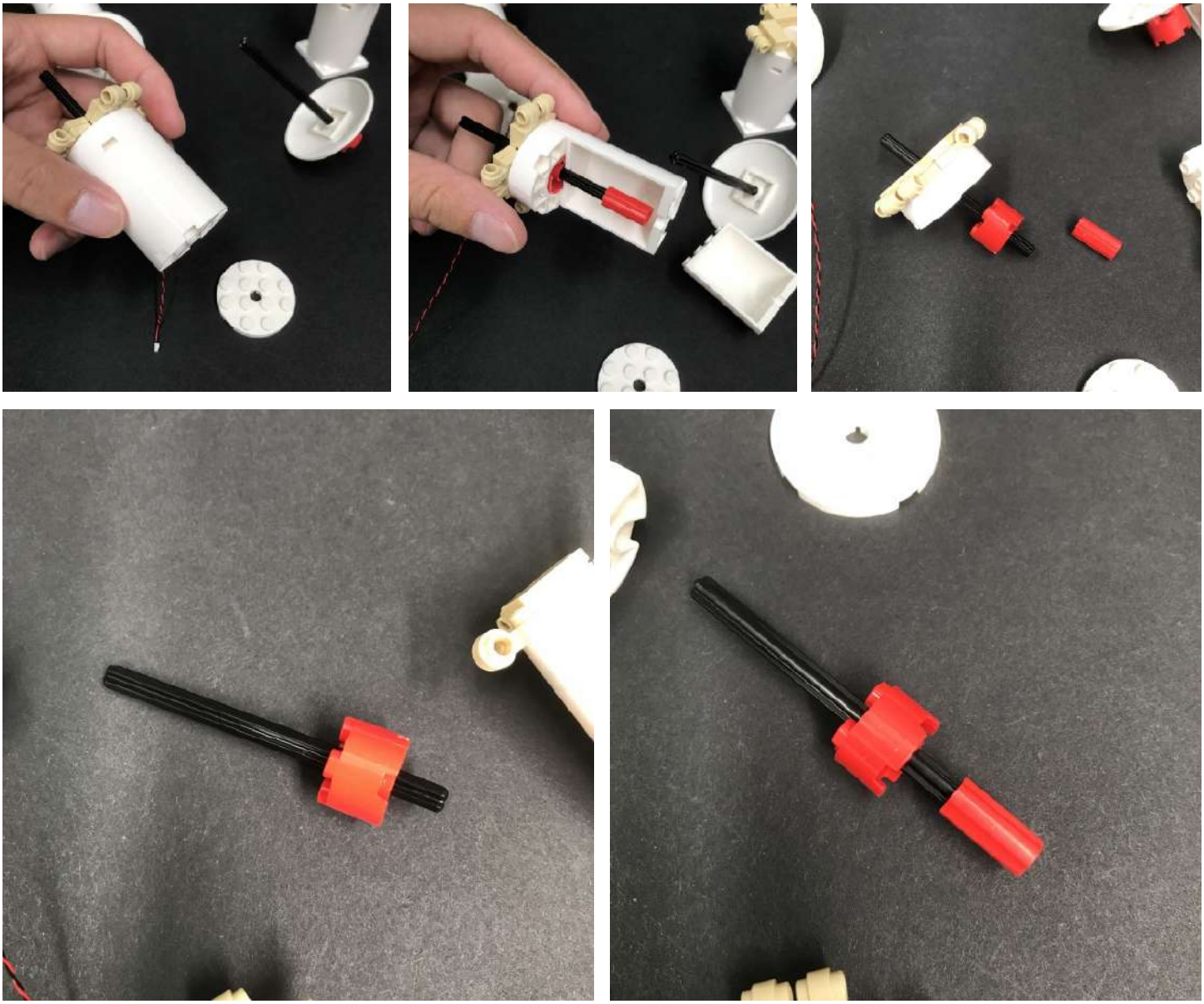
Reconnect both pieces to the bottom of the top section of the tower.

6.) Take the bottom half of the tower and then disconnect sections and pieces as per below:

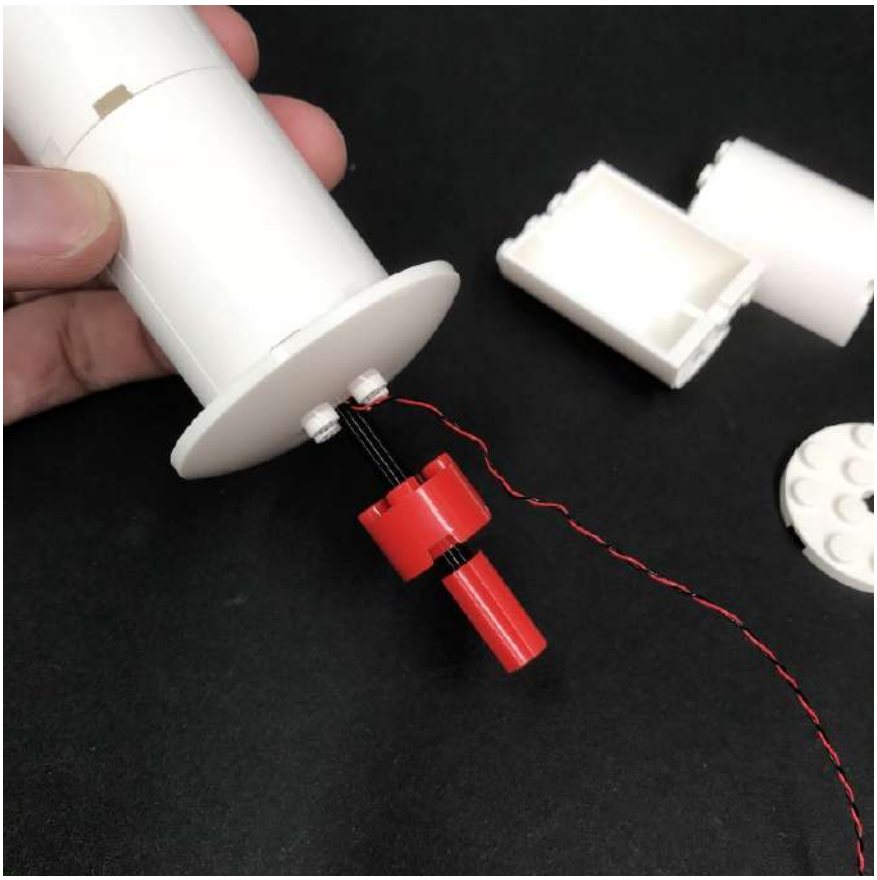




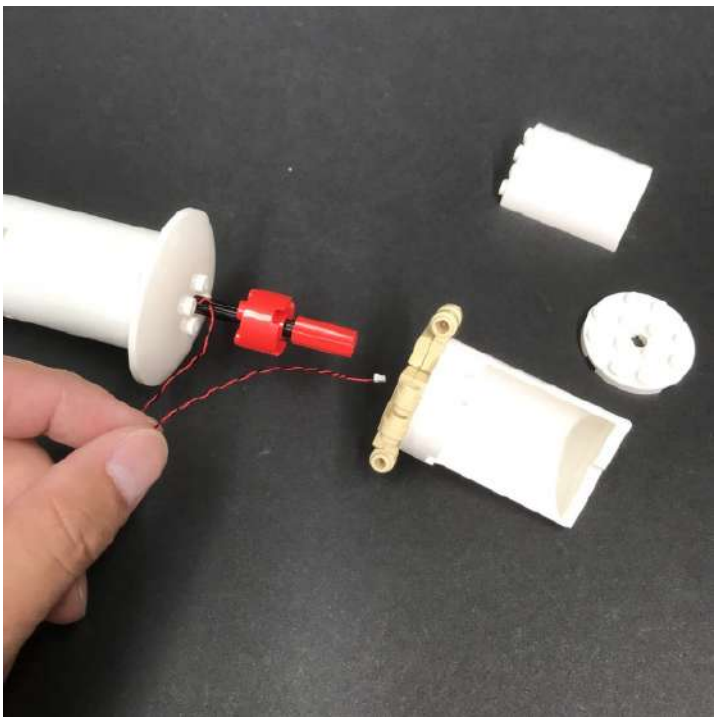


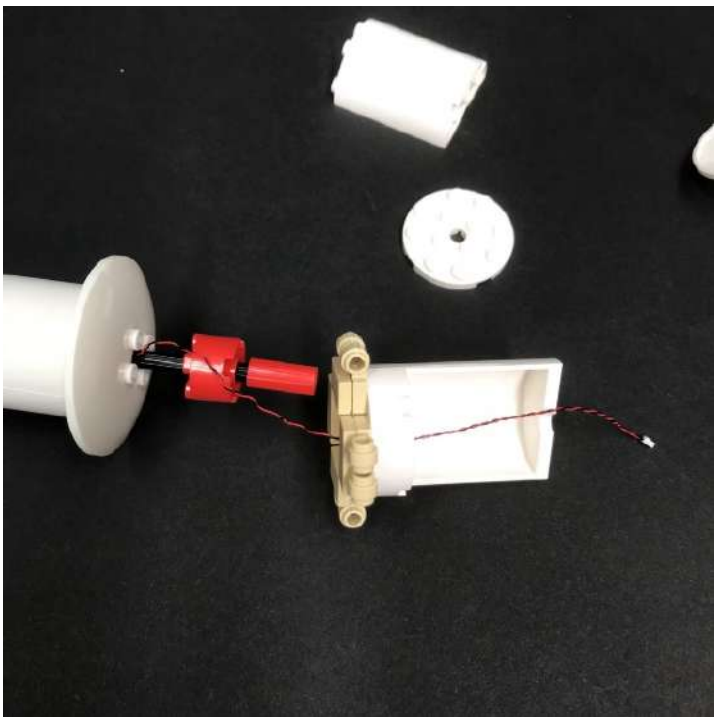


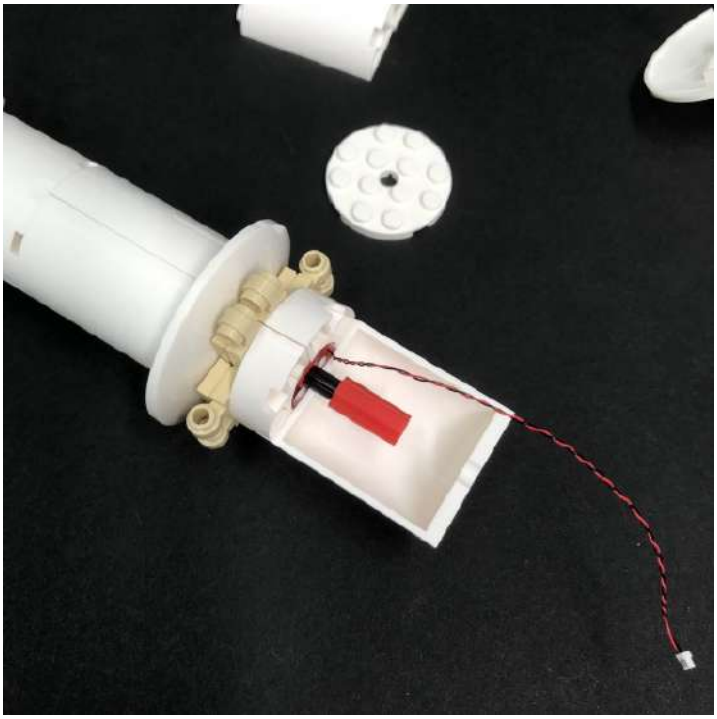
7.) Insert the black rod with red pieces attached back to the top half of the tower.

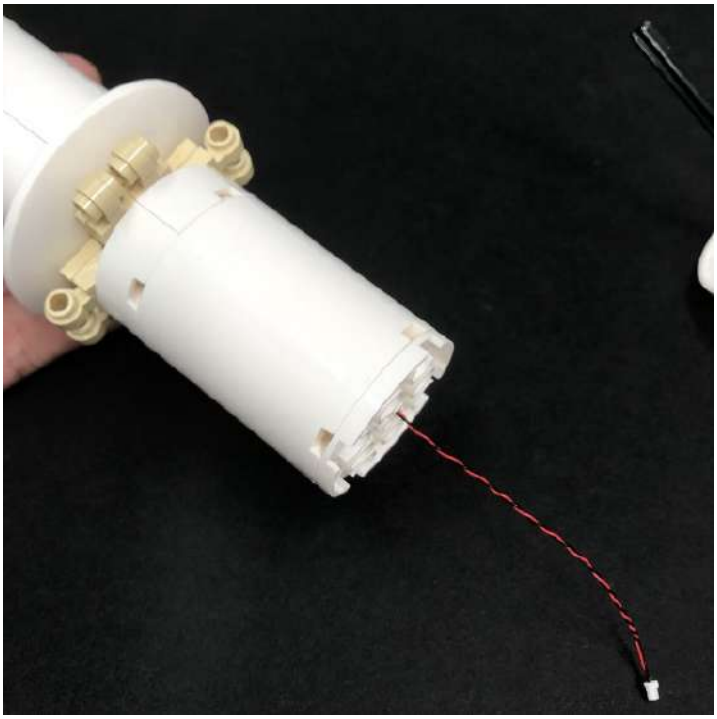


Thread the Bit Light Cable down the top of the section below before reconnecting both round wall pieces as well as the round plate below ensuring the Bit Light cable is threaded down the middle.

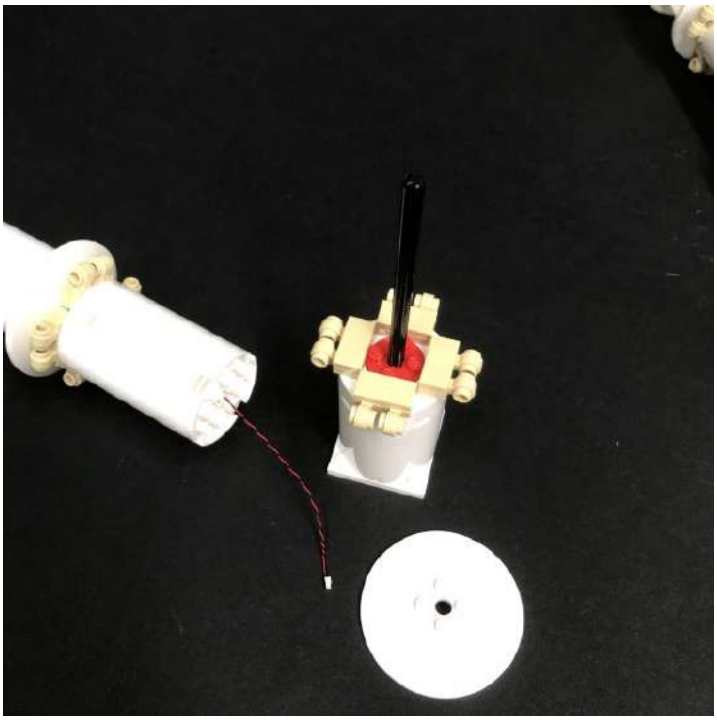


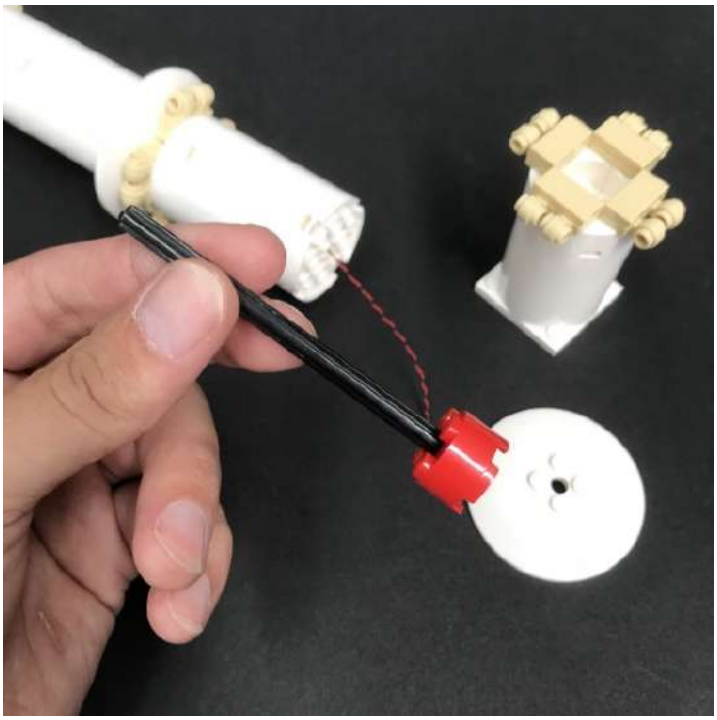




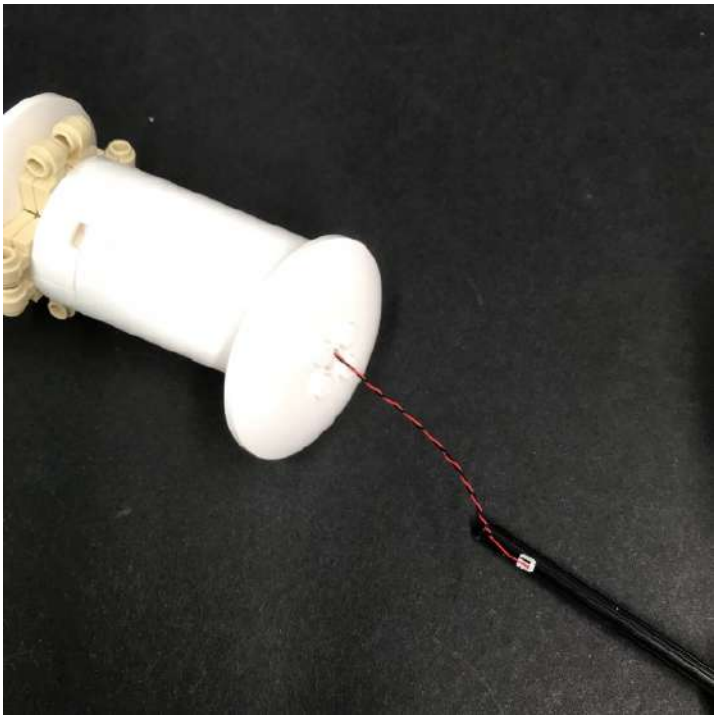


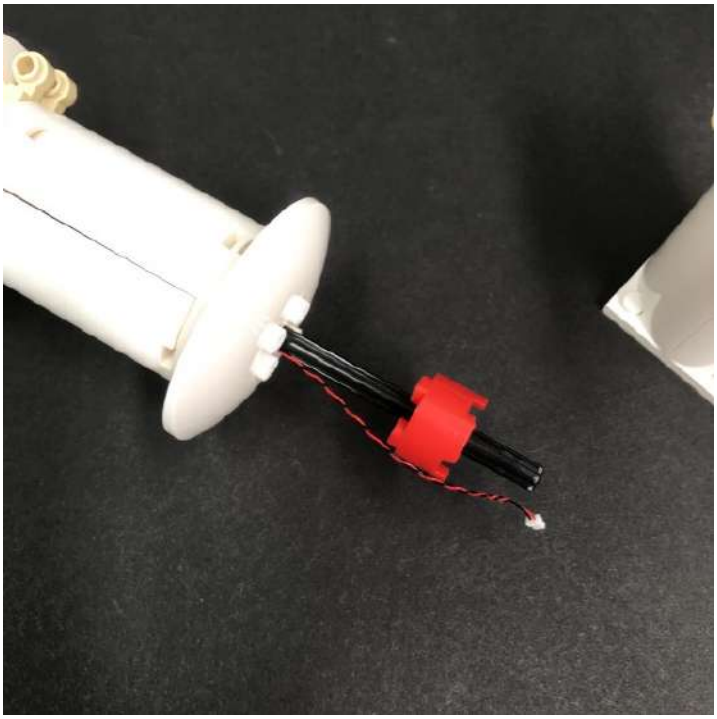
8.) Take the lower section of the tower and then disconnect the black rod with round red piece attached.



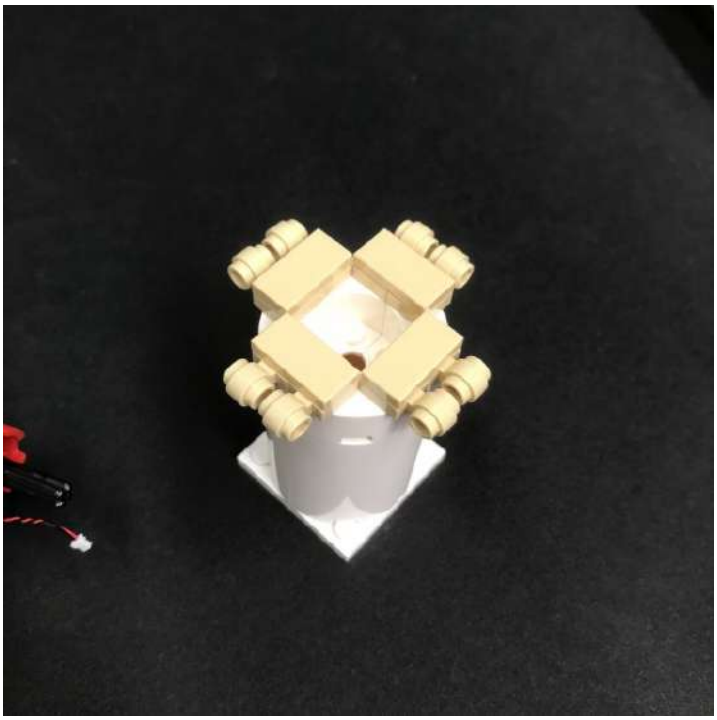


9.) Thread the Bit Light cable through the white dish below and then reconnect the black rod with red piece attached.

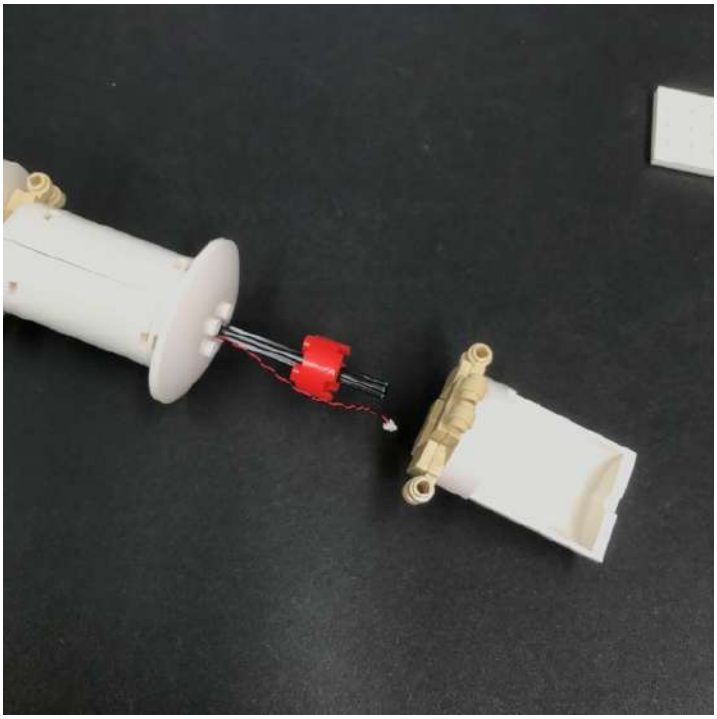




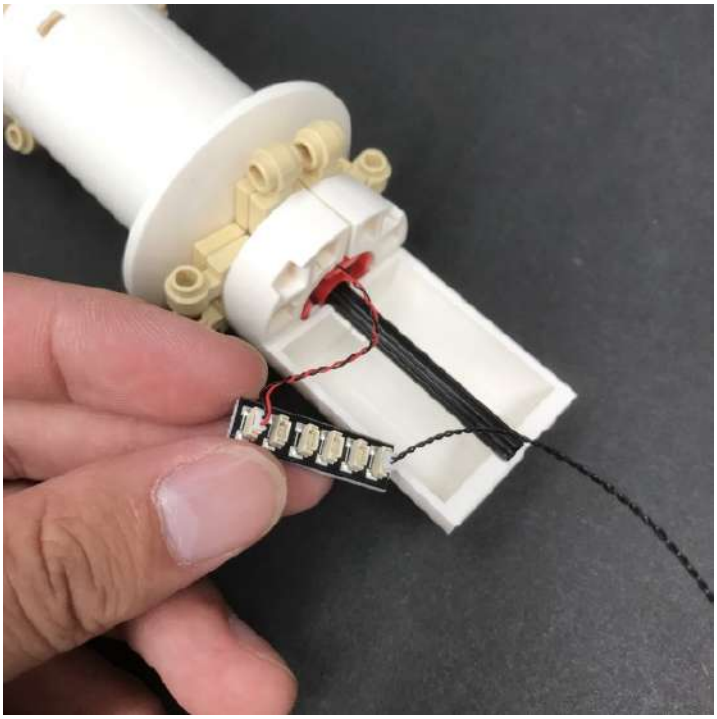
10.) Take the lower section of the tower and disconnect the white 3x3 plate as well as one of the wall pieces.

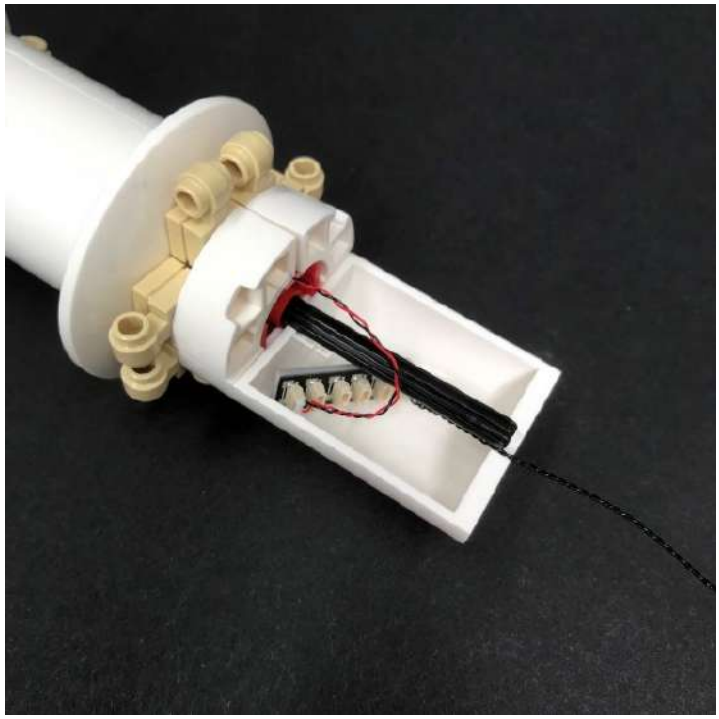


Reconnect the lower section by threading it up the rod and securing to the bottom of the tower while ensuring the cable is threaded down the middle.

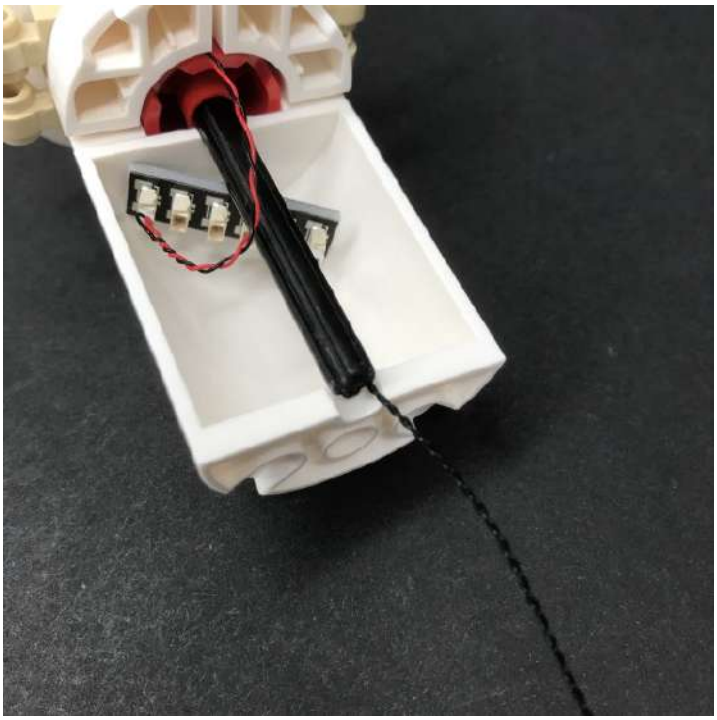


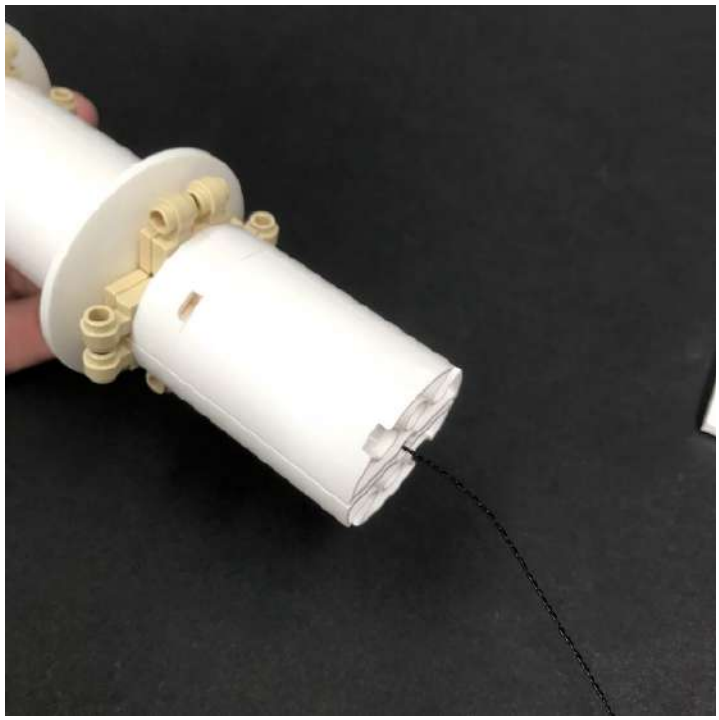
11.) Take a **6-port Expansion Board** and connect a **30cm Connecting Cable** to a spare port. Connect the end of the Bit Light Cable from the tower to the expansion board and then tuck both components inside the wall section of the tower while ensuring the 30cm connecting cable is laid down the middle of the wall piece.





Reconnect the other wall piece as well as the 3x3 plate.

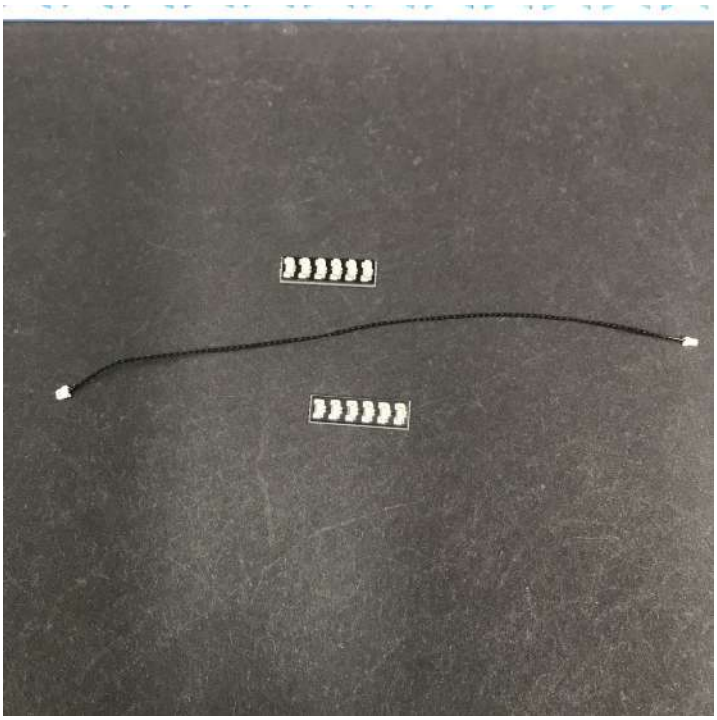




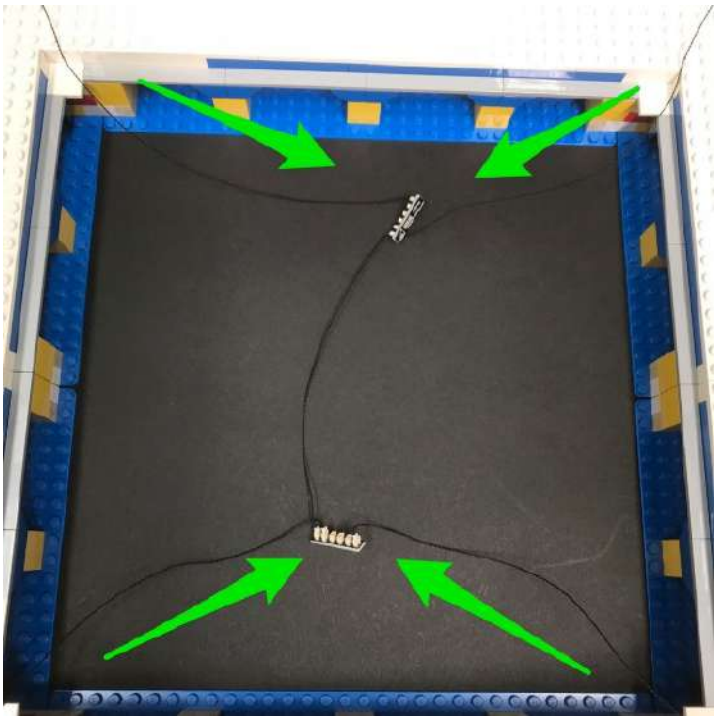
12.) Repeat steps 3 through to 11 to install another **3x White 30cm Bit Lights** to the remaining 3 towers using **3x Adhesive Squares, 3x 30cm Connecting Cables** and **3x 6-Port Expansion Boards.**

13.) Reconnect all four towers to the base of the Taj Mahal ensuring that the cables from each tower is facing towards the centre of the base.

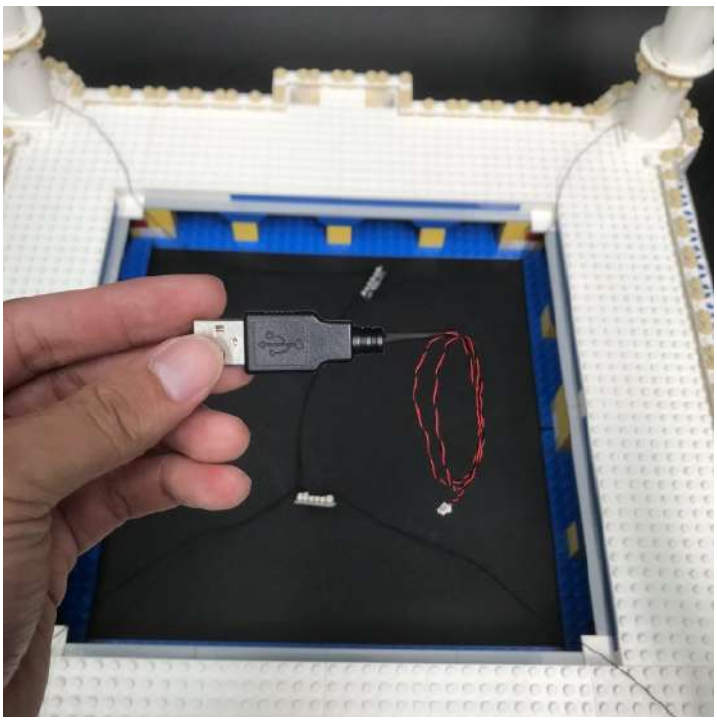
14.) Take **2x 6-Port Expansion Boards** and connect them together using **1x 15cm Connecting Cable.**

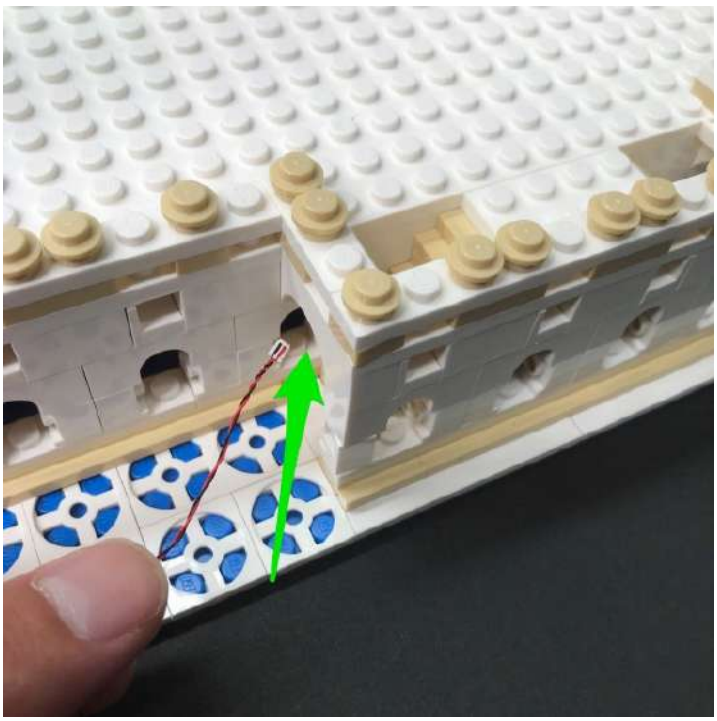


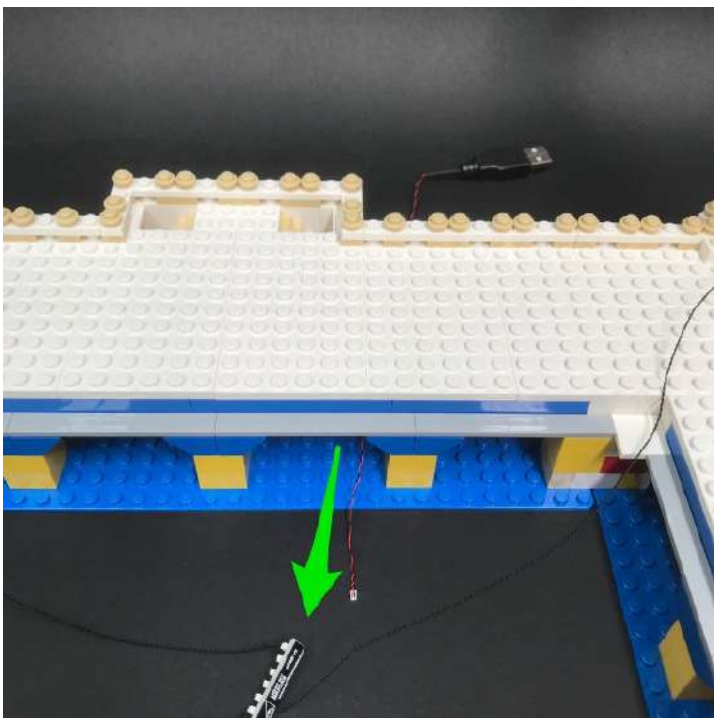
Connect the other end of the cables from the front two towers into one of the expansion boards and then connect the other end of the cable from the back two towers into the other expansion board.

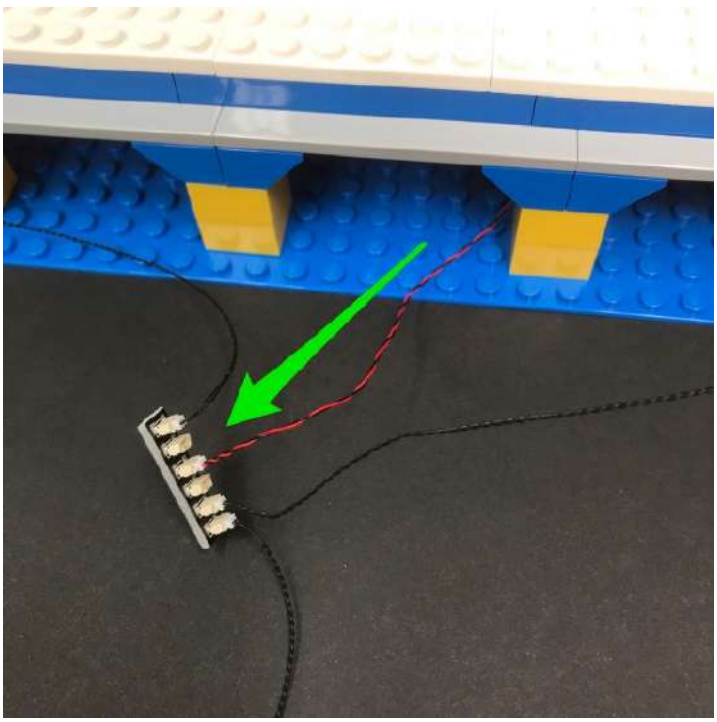


15.) Take the **USB Power Cable** and thread the connector side through one of windows on the back side (near the steps). Pull the cable through from the inside and then connect it to the closest 6-port expansion board.



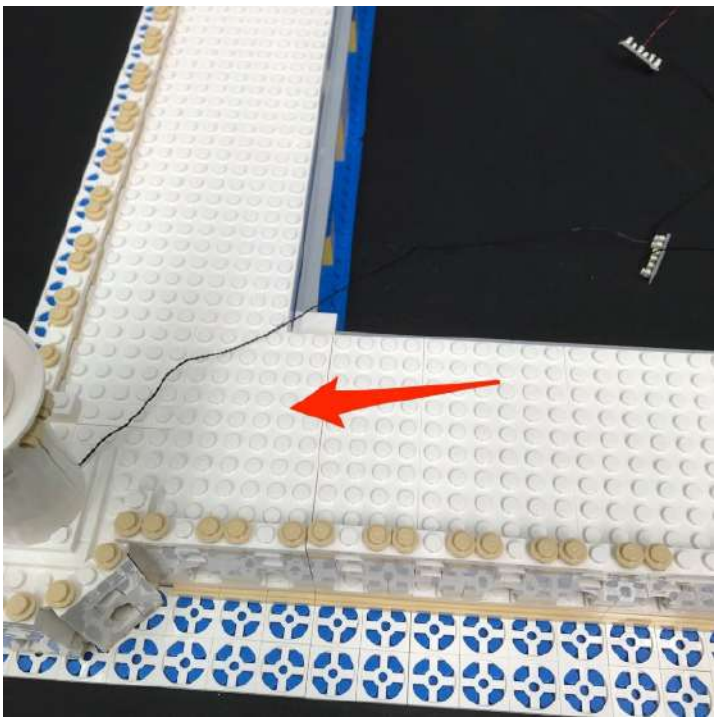


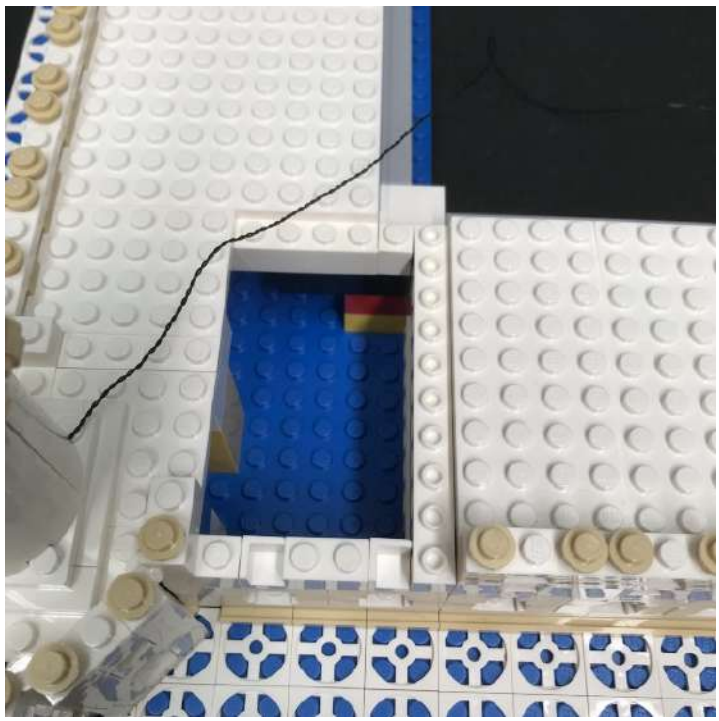


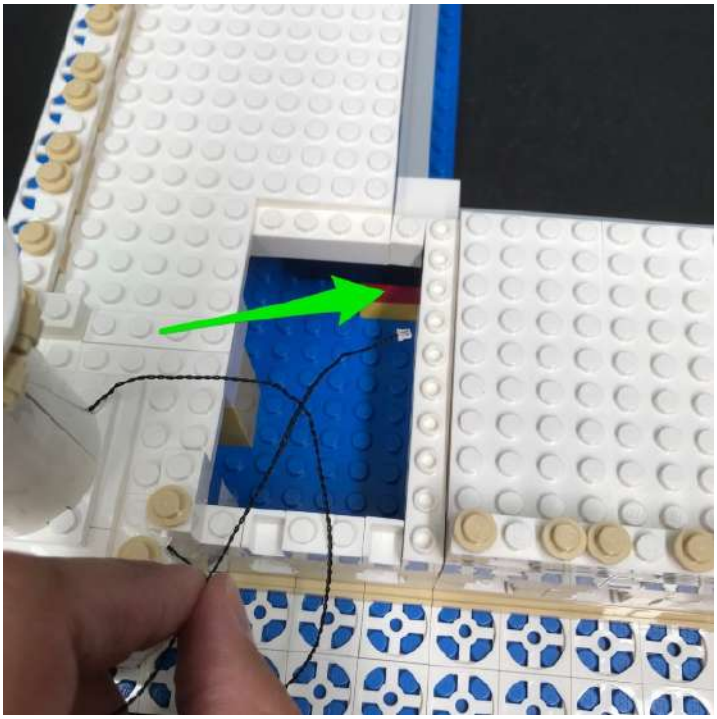


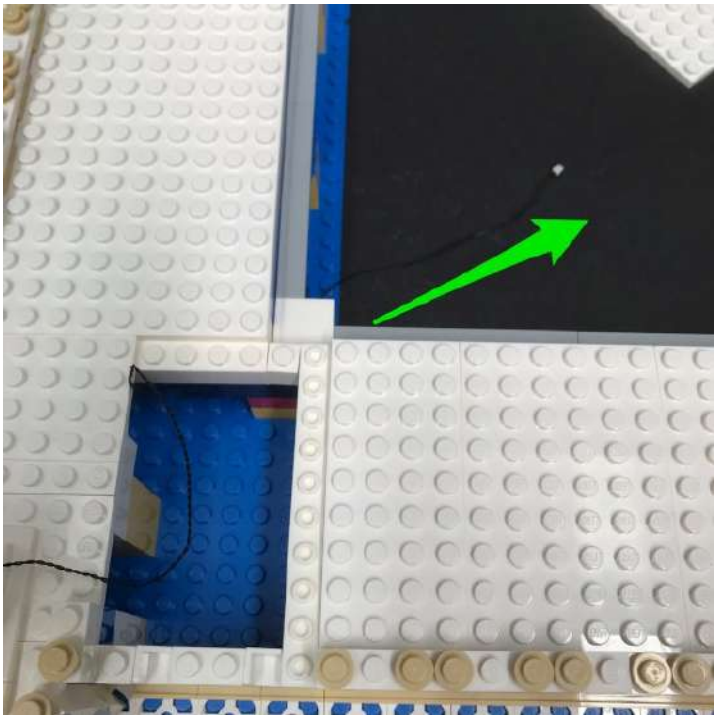
Connect the USB Power Cable into your USB power Bank or wall connector. Verify the lights for the four towers are working OK.

16.) We will now thread the cables from the towers underneath the white plates to prevent them from being too visible. First disconnect the cable from each tower from the expansion board and then disconnect the 6x10 plate closest to each tower. Thread the cable down through the space and pull the cable out from the inside to then reconnect it to the expansion board.

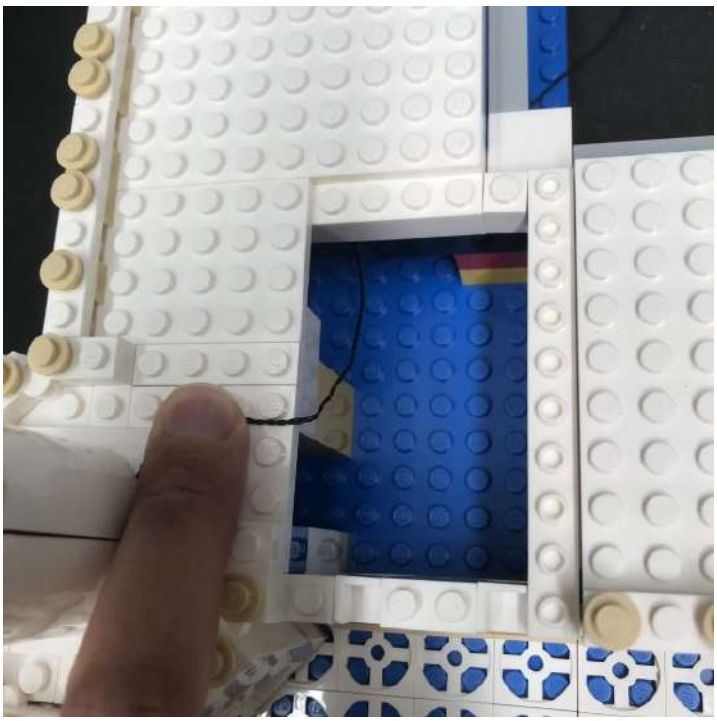


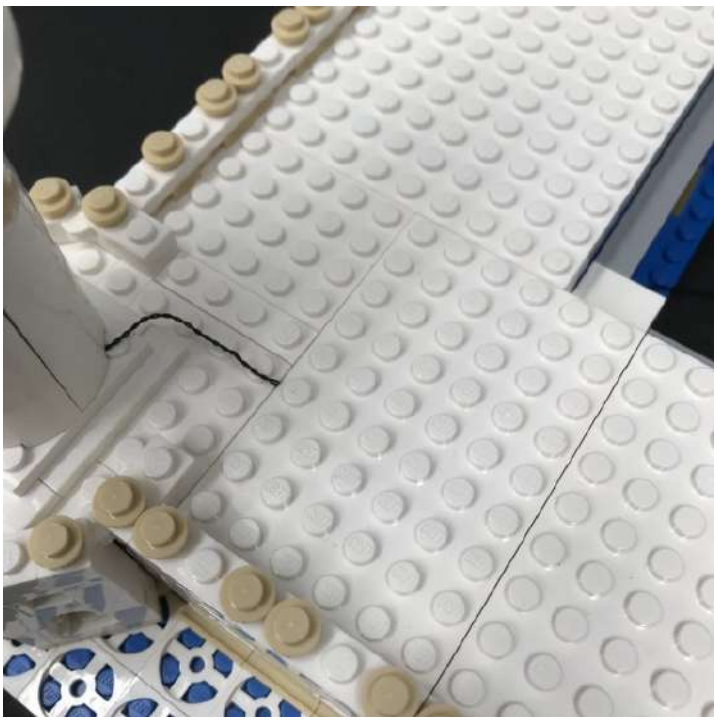




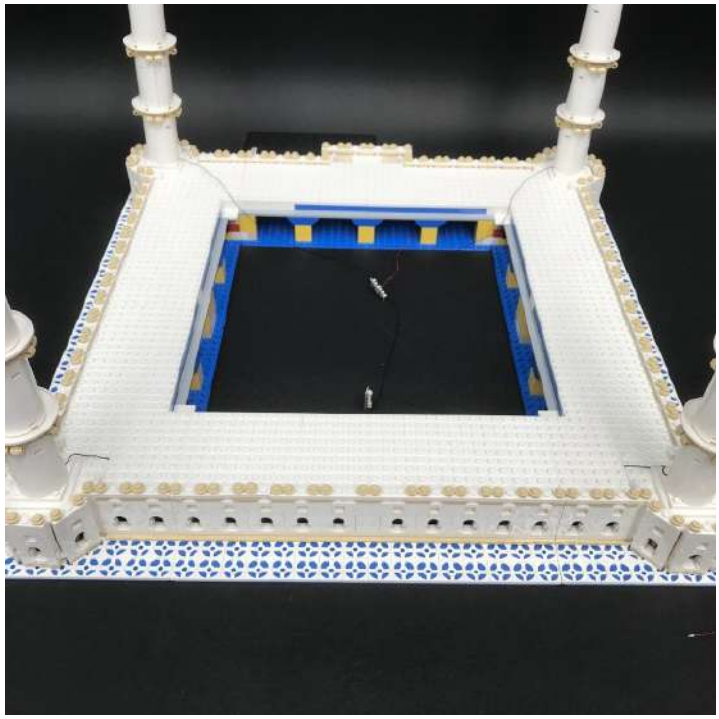


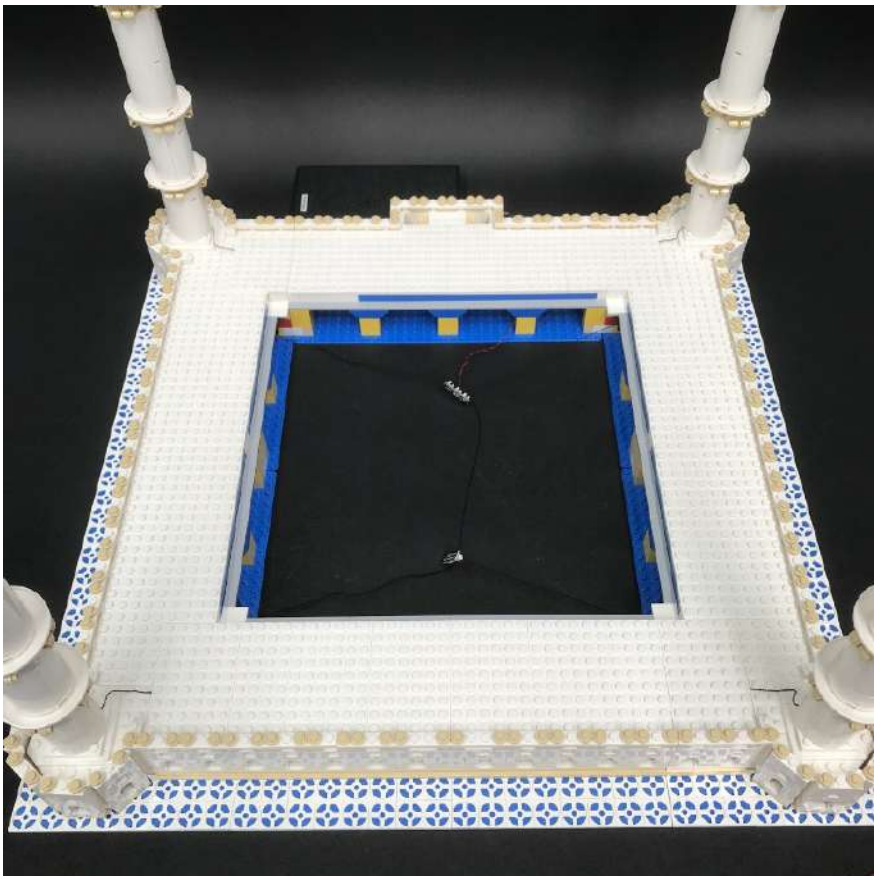
Place your finger down on the cable close to the tower to ensure there is enough excess cable then carefully reconnect the 6x10 plate over the top.





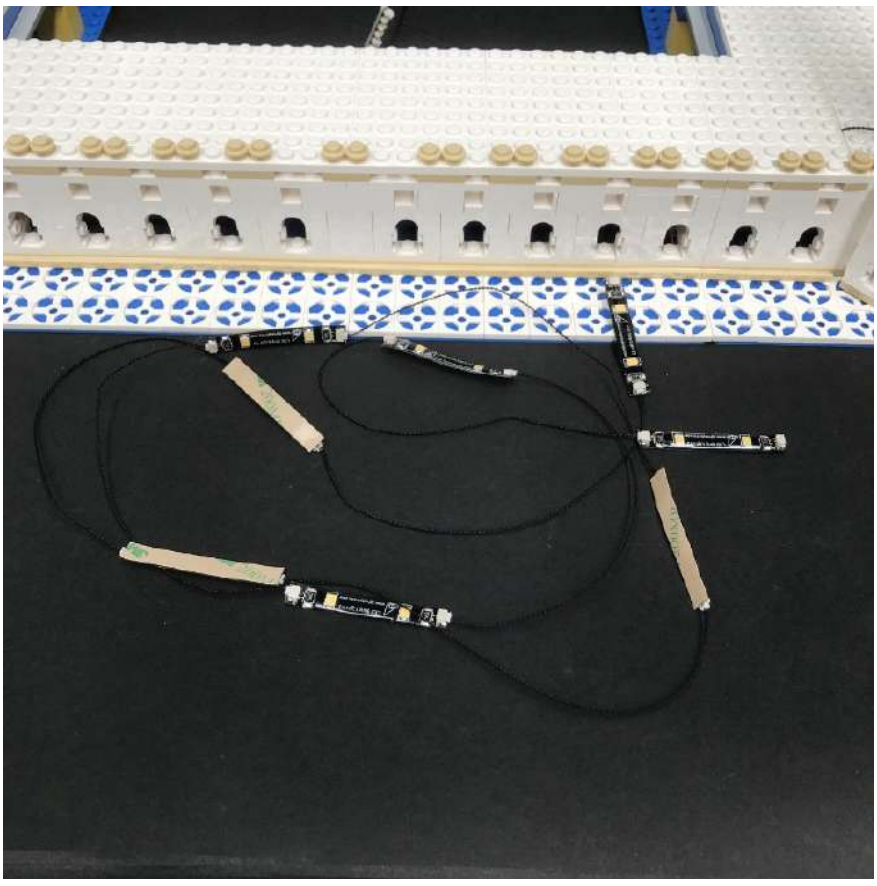
Repeat this step for all four corner cables.



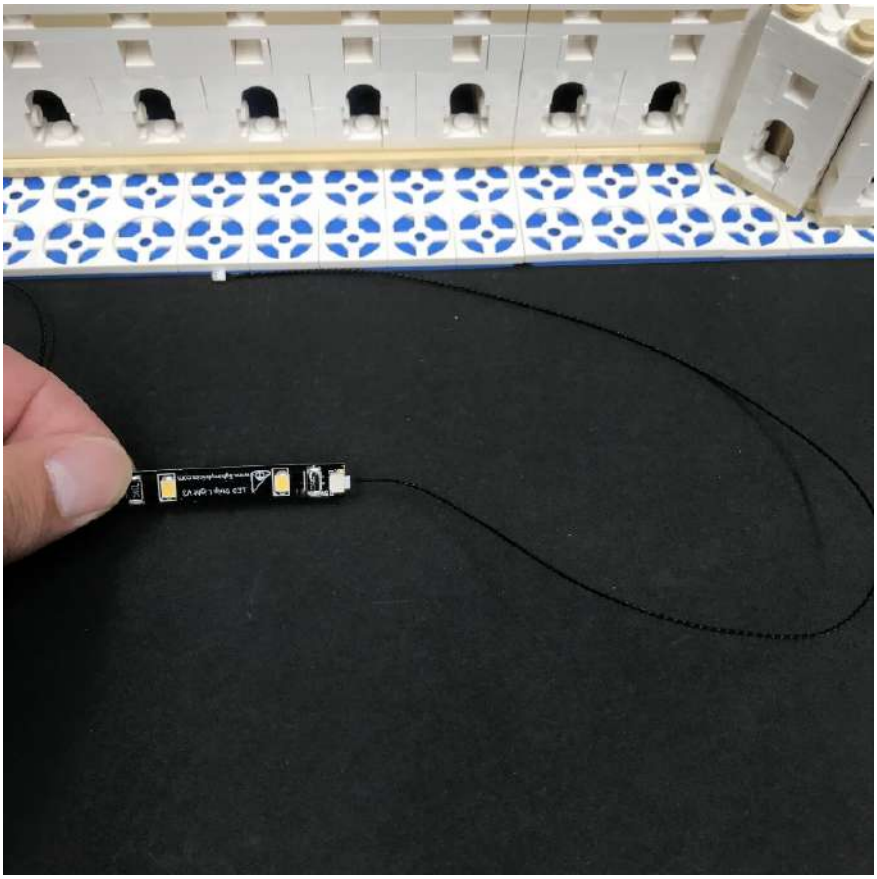


17.) We will now install strip lights to light up the ground floor of the Taj Mahal. Take **8x White Strip Lights** and **7x 15cm Connecting Cables**.

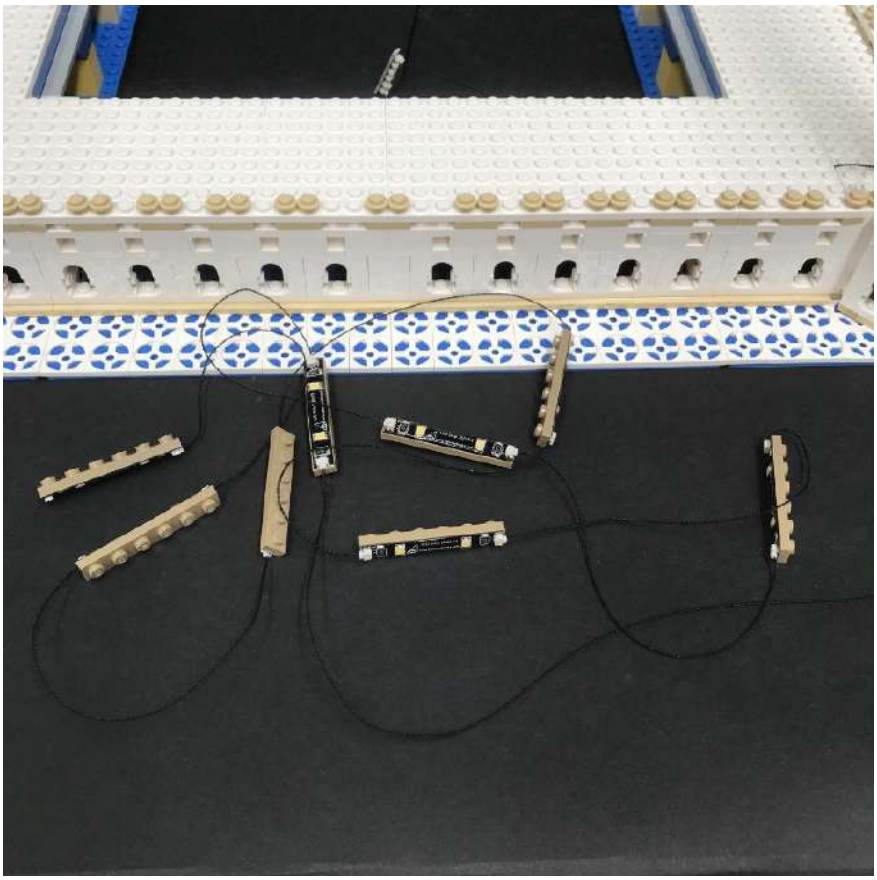
Connect them all together using the connecting cables.



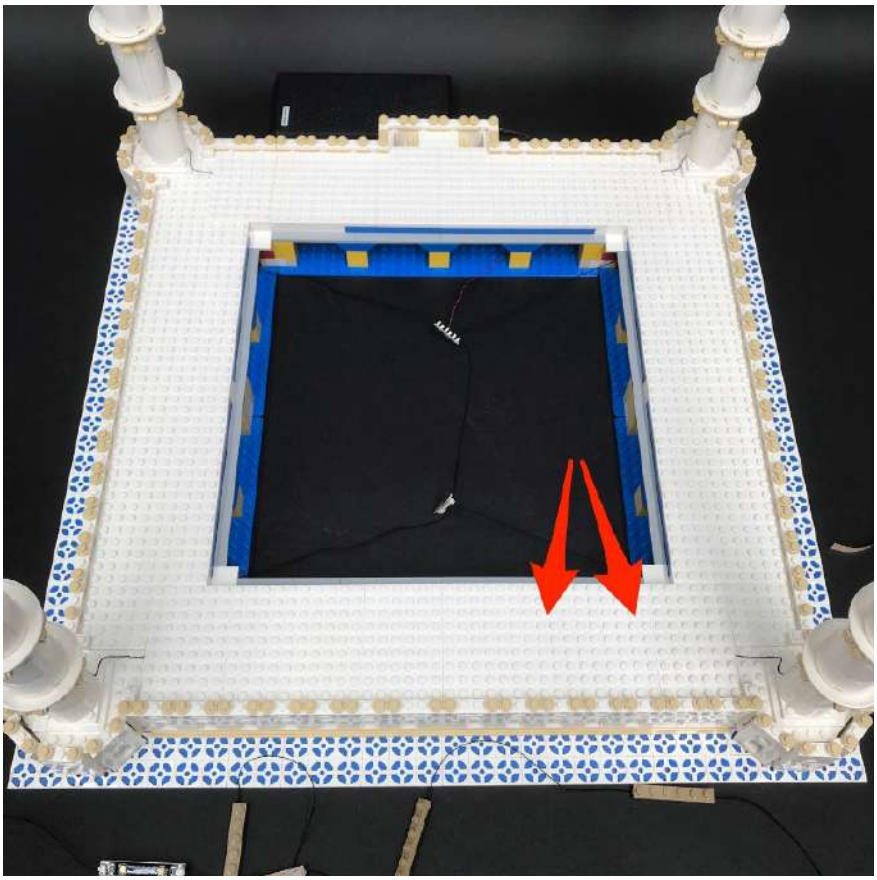
Take a **30cm Connecting Cable** and connect it to one of the end strip lights.

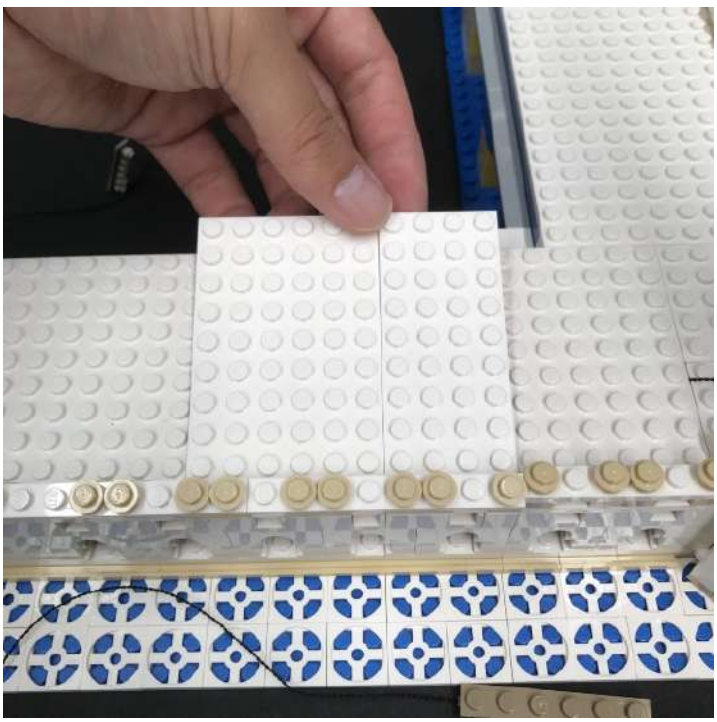


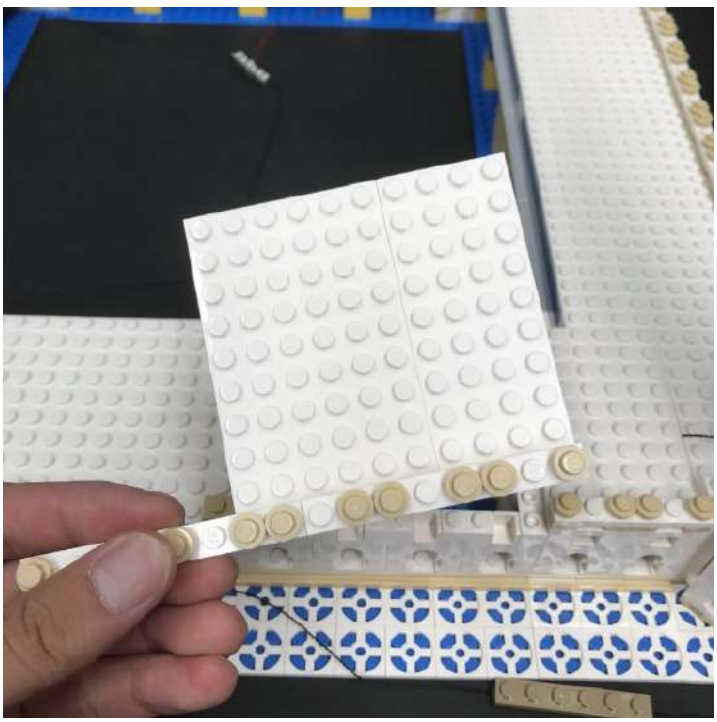
18.) Stick each strip light to **provided LEGO 1x6 Plates** using the adhesive backing.

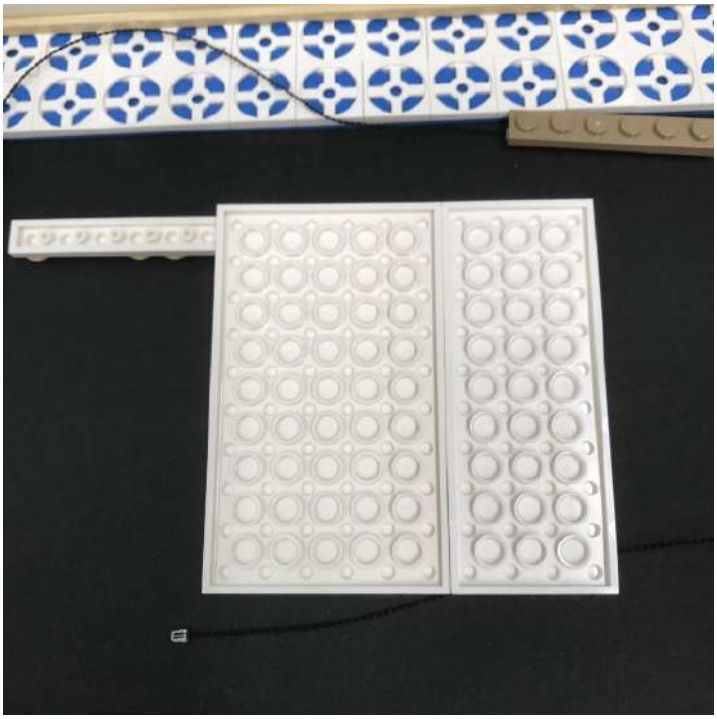


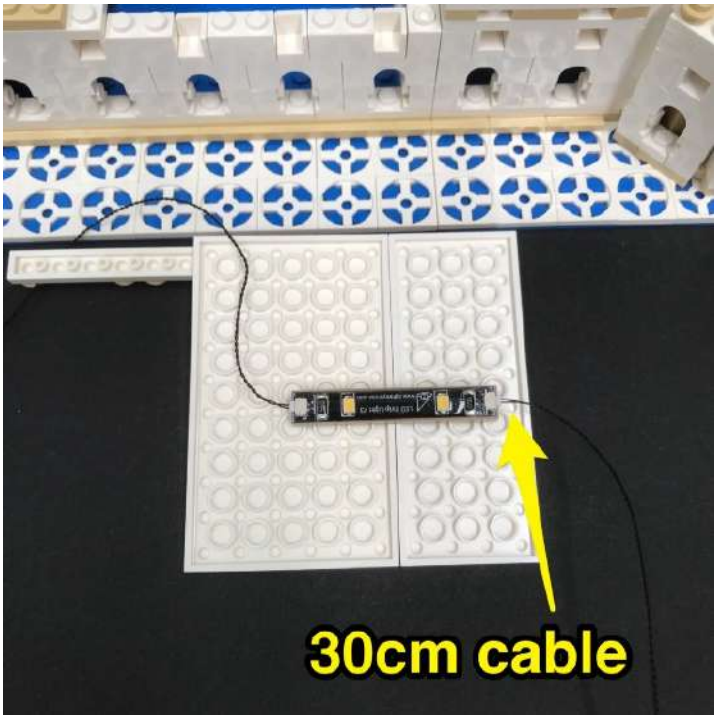
19.) Starting from the front right corner, remove the following two white plates and then turn them over to mount the first strip light (with the 30cm connecting cable) in the following position. Ensure the end with the 30cm connecting cable is facing the right.



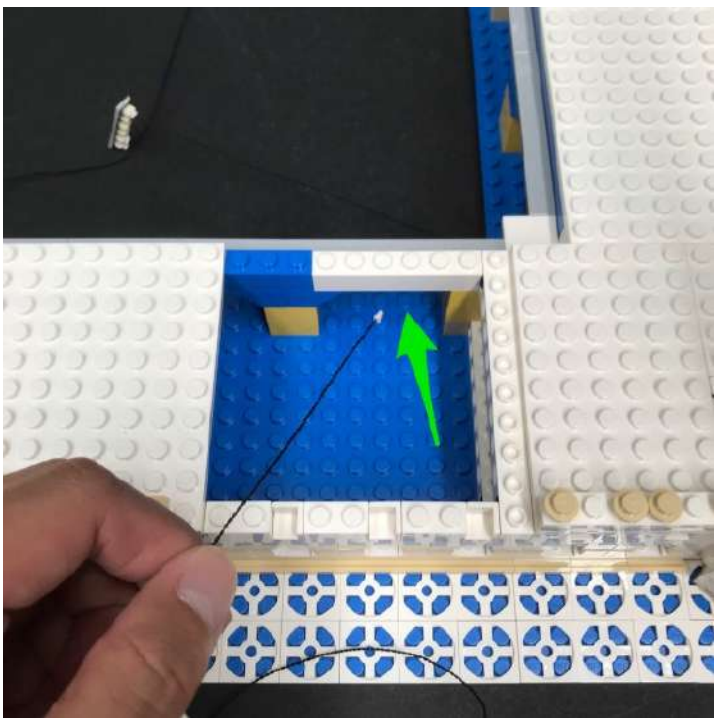


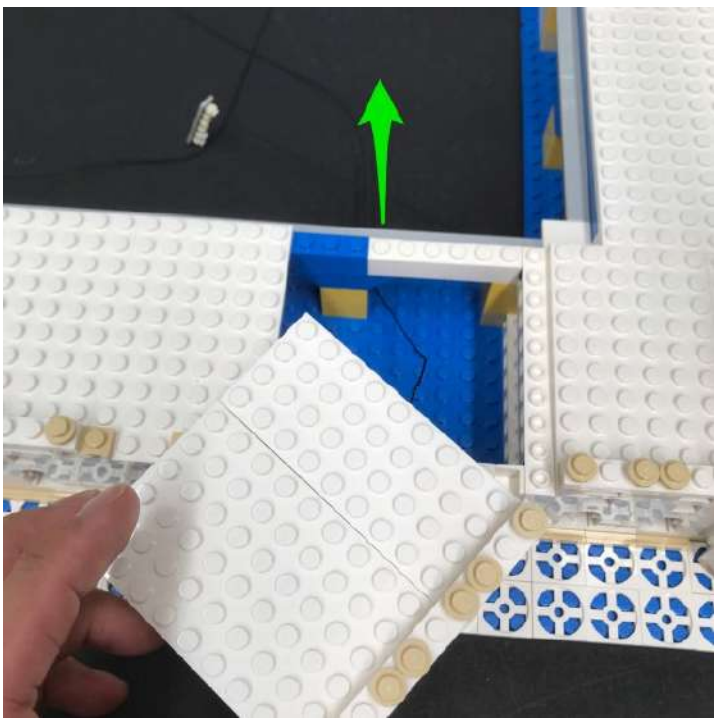




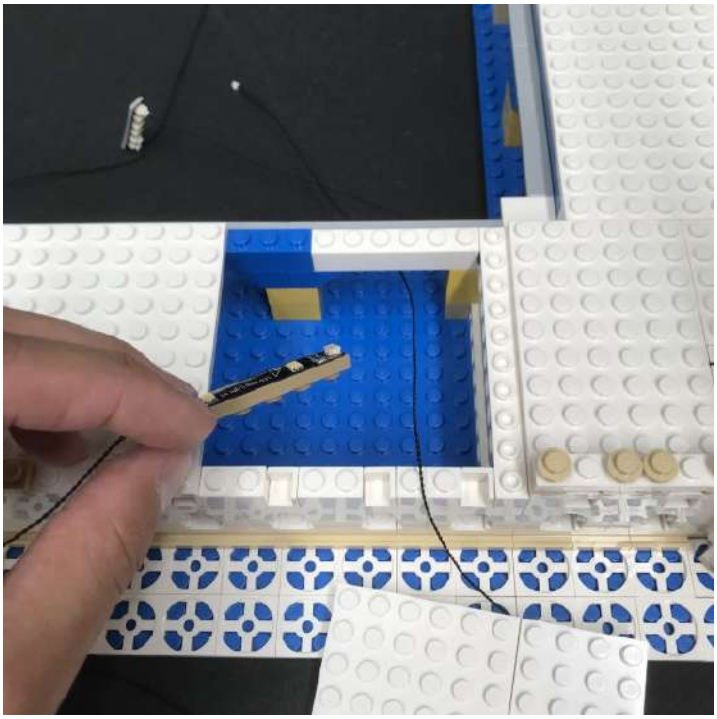
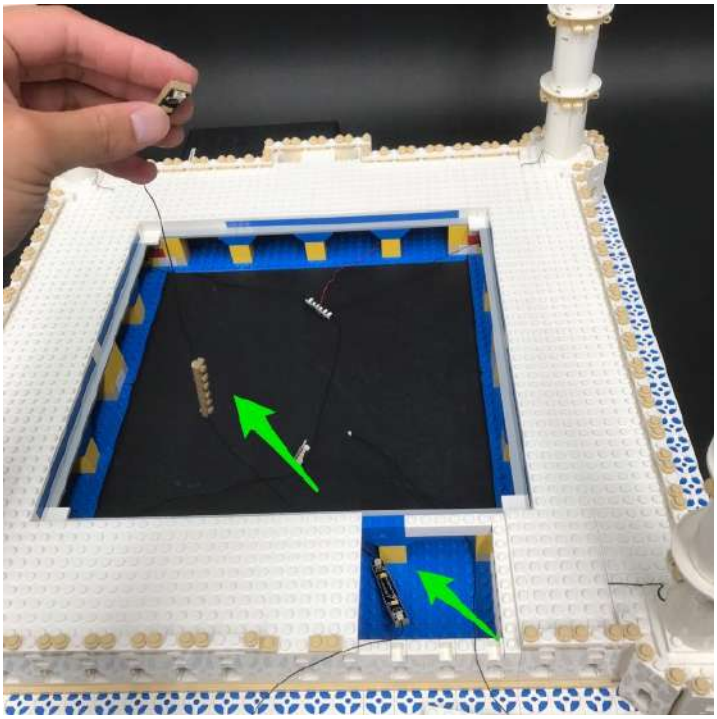
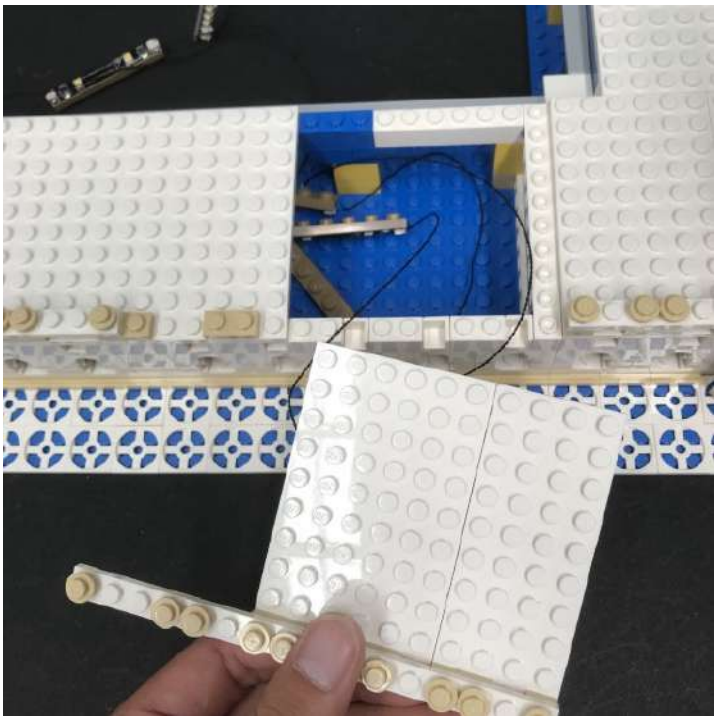


Thread the other end of the 30cm connecting cable down the space and then pull it out from the inside.

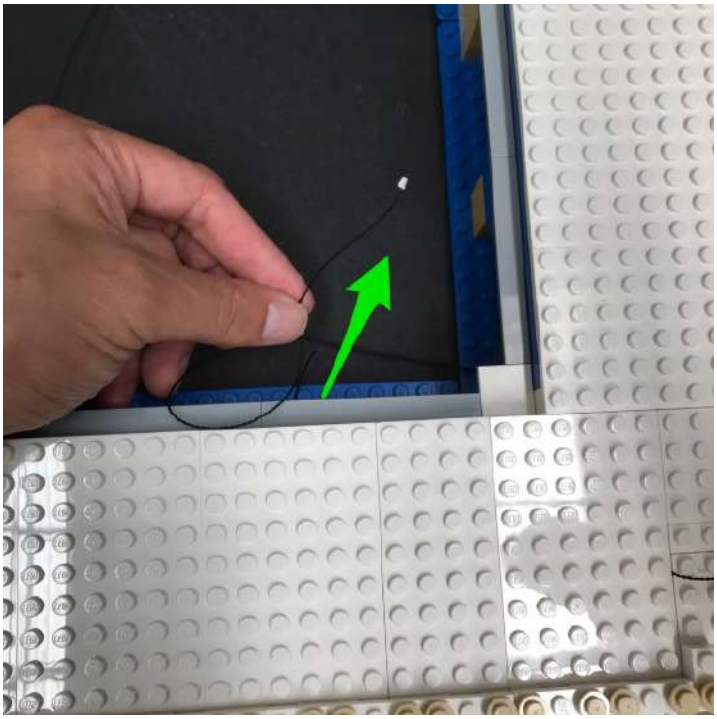


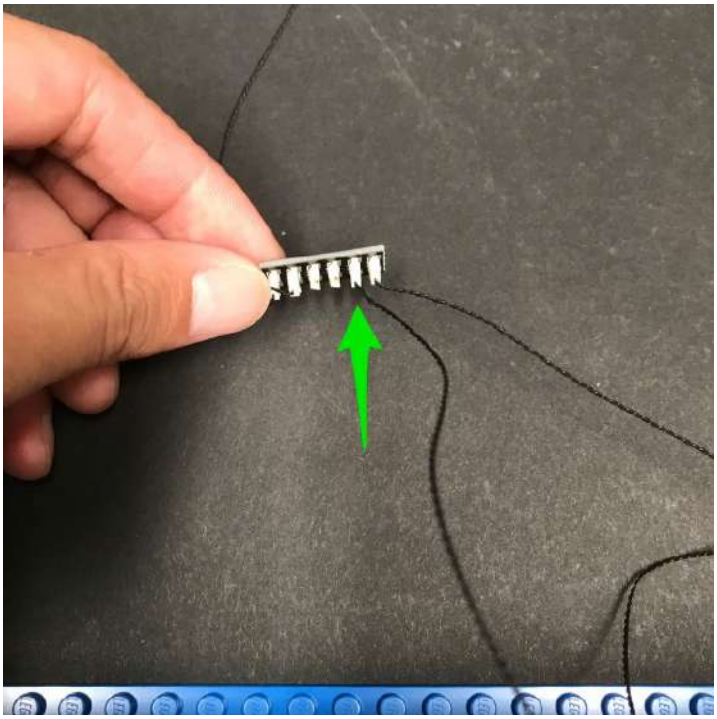


Thread all the strip lights through the space and pull them all out from the inside toward the left before reconnecting the two white plates.

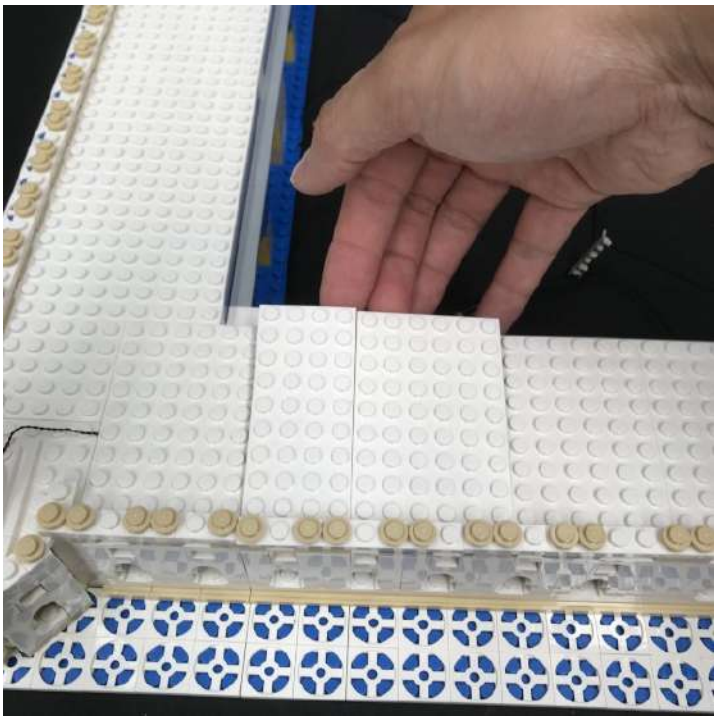




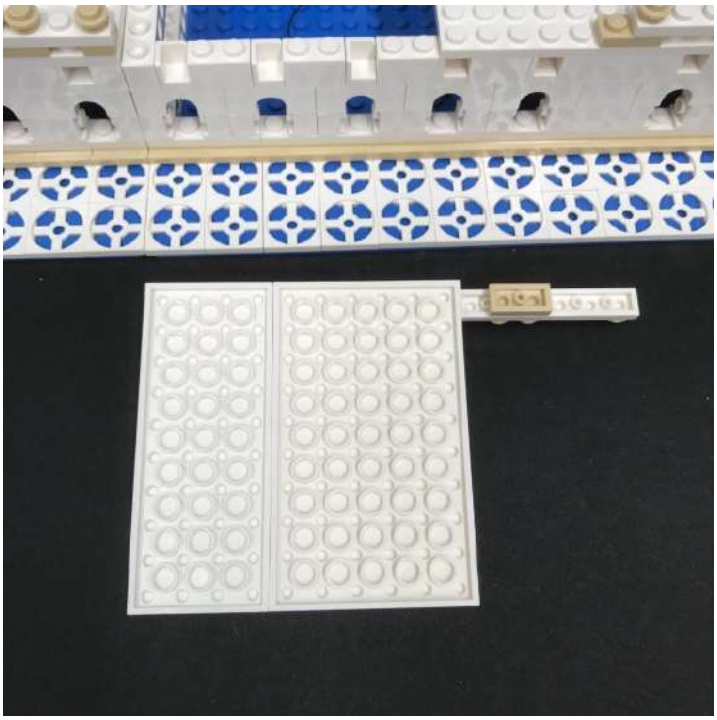
20.) Pull the other end of the 30cm connecting cable from the first strip light out and then connect it to the spare port on the 6-port expansion board closest to it.



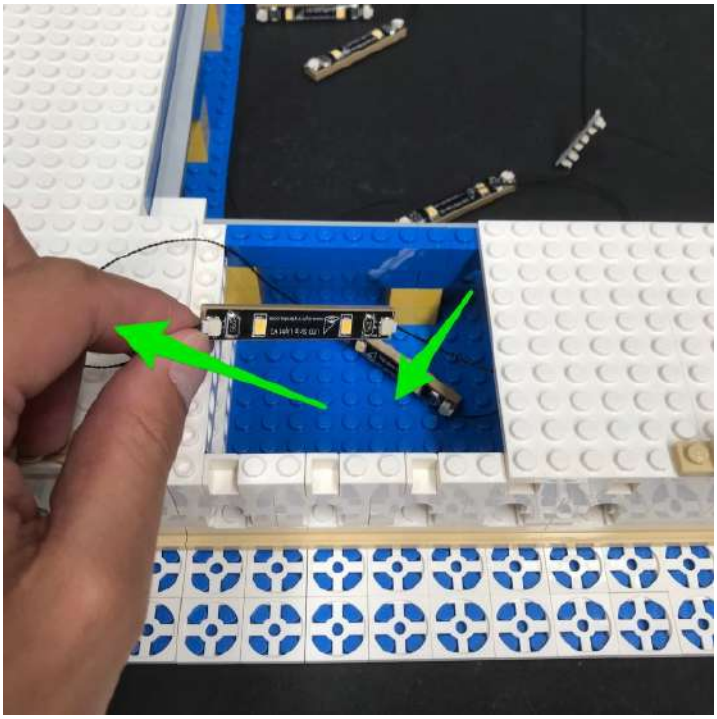


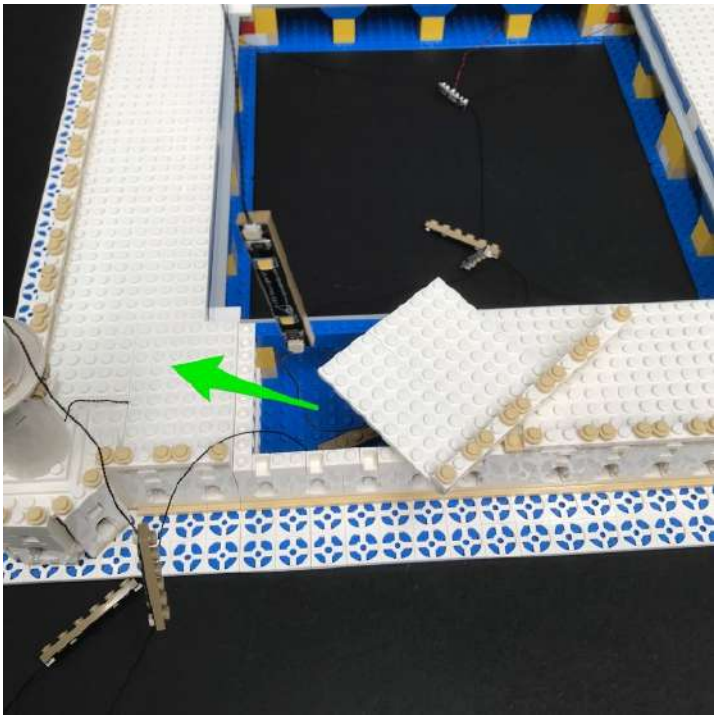
1.) Moving along to the front left corner, disconnect the following two white plates.

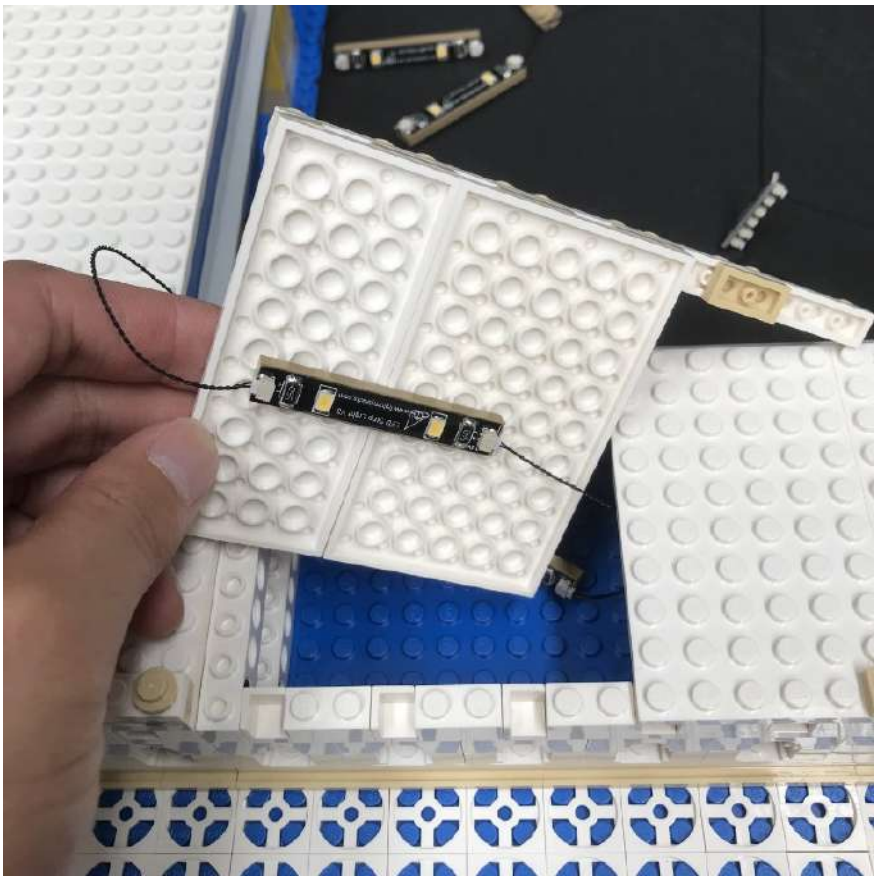




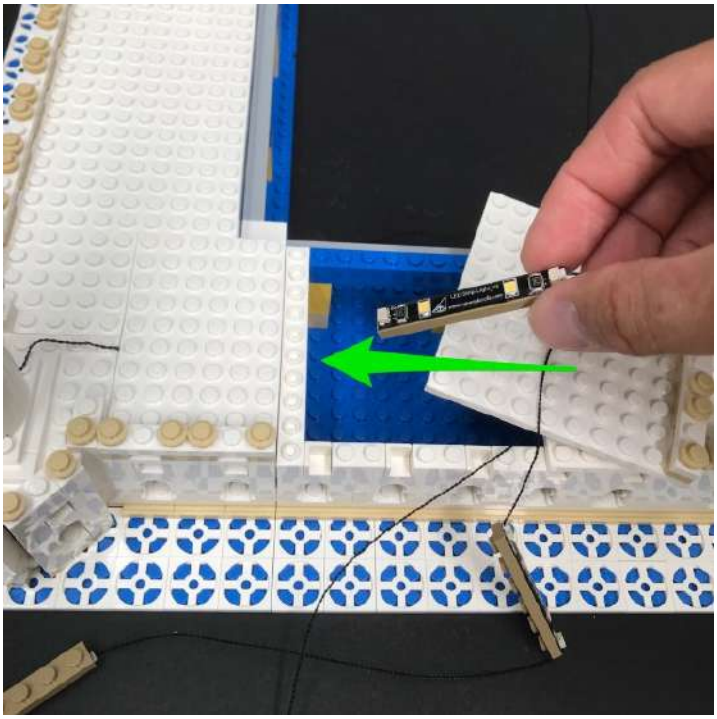
Pull the strip lights all the way out from underneath and then stick the second strip light to the base of the two white plates we removed in the following position:



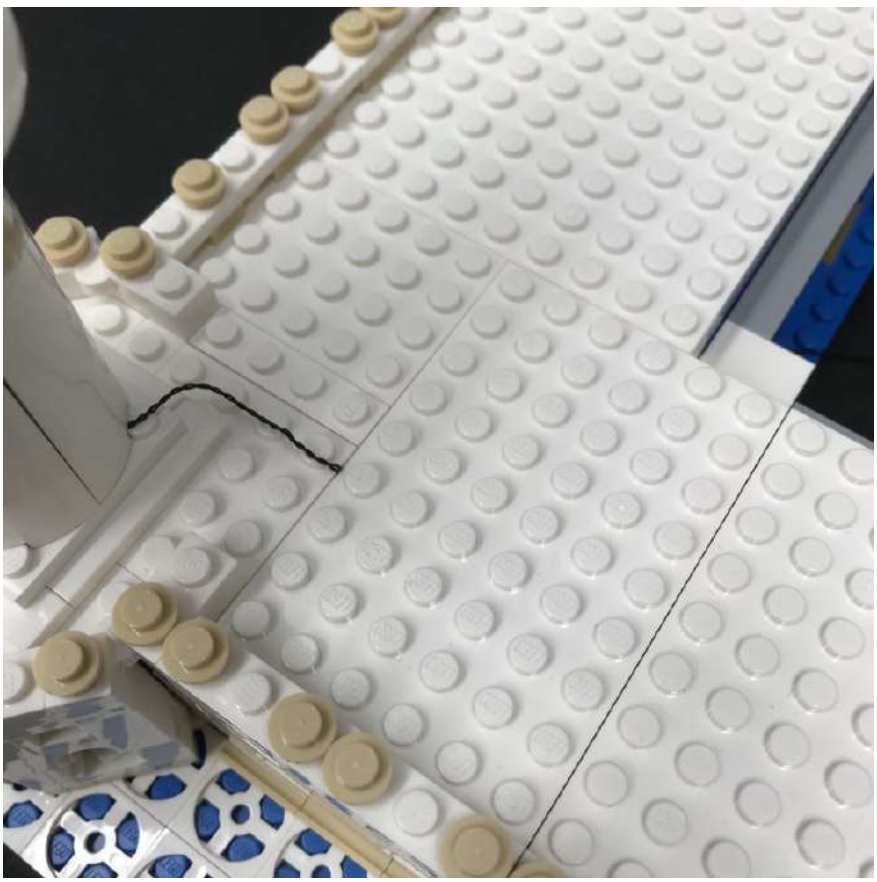




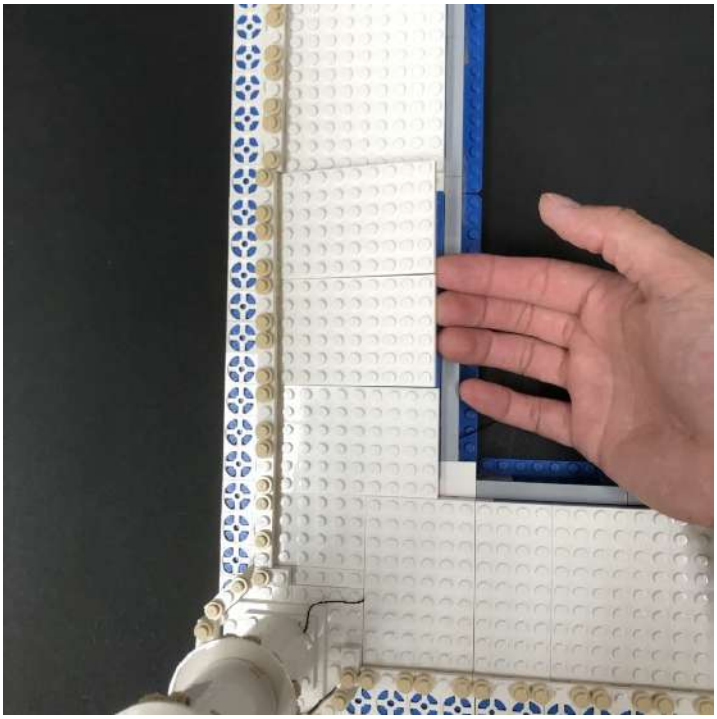
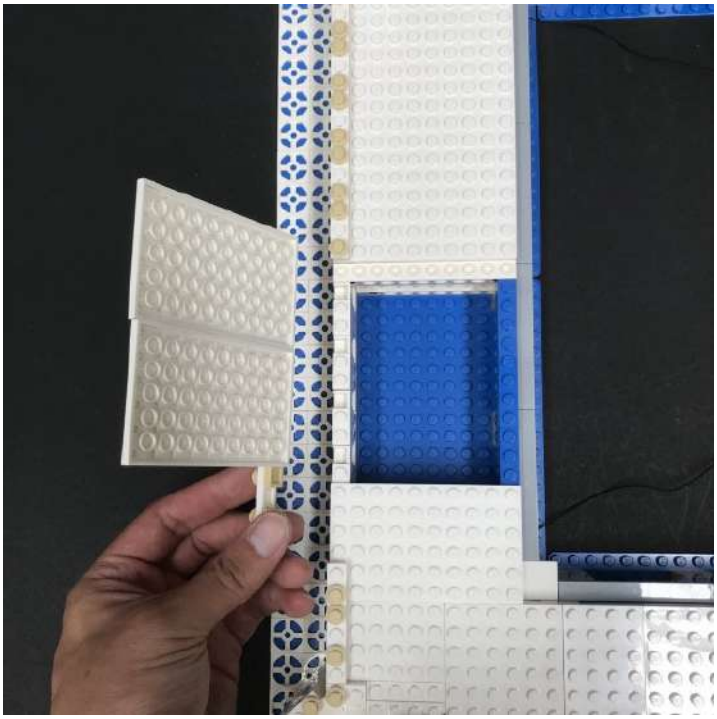
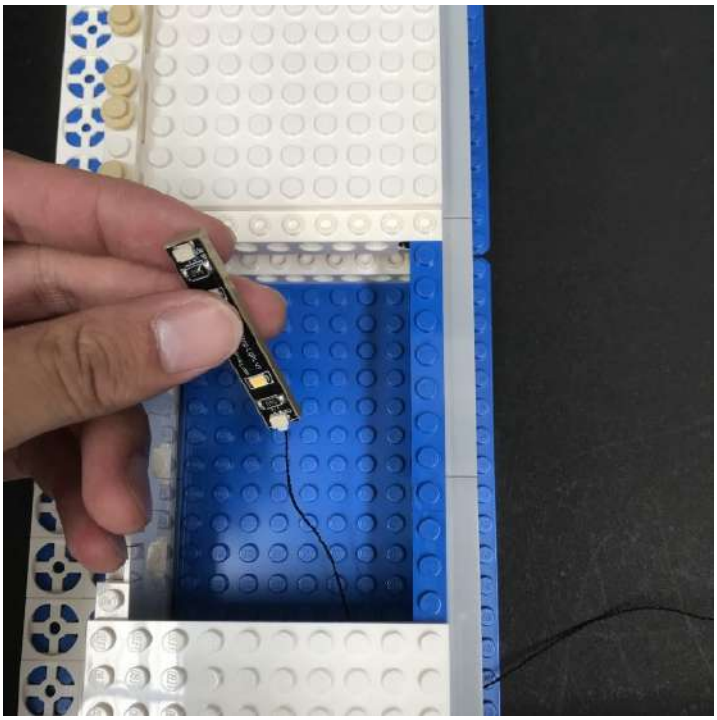
Thread the remaining strip lights back down the space toward the left to allow us to easily pull them out later.



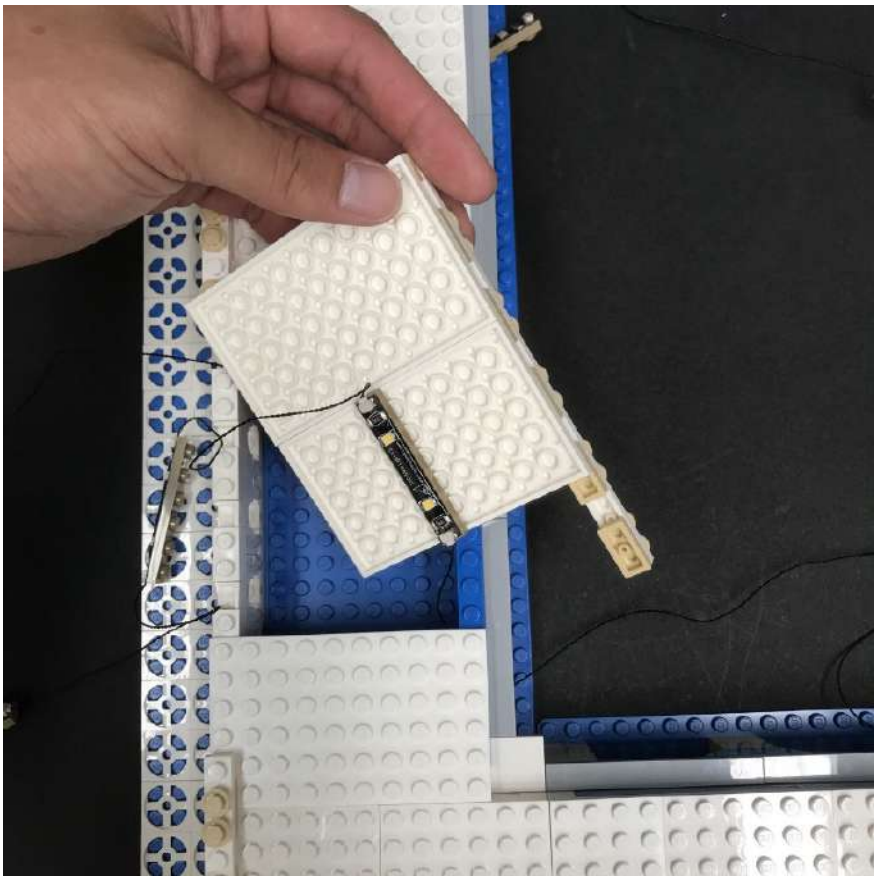
Reconnect the two plates.



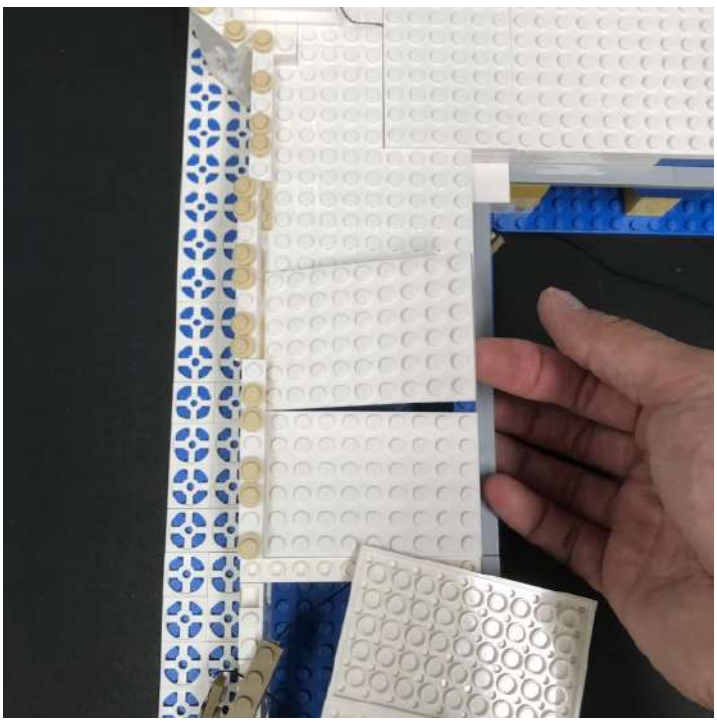
22.) Disconnect the two plates on the left side of the base (above the tower) and then pull the strip lights out from underneath.

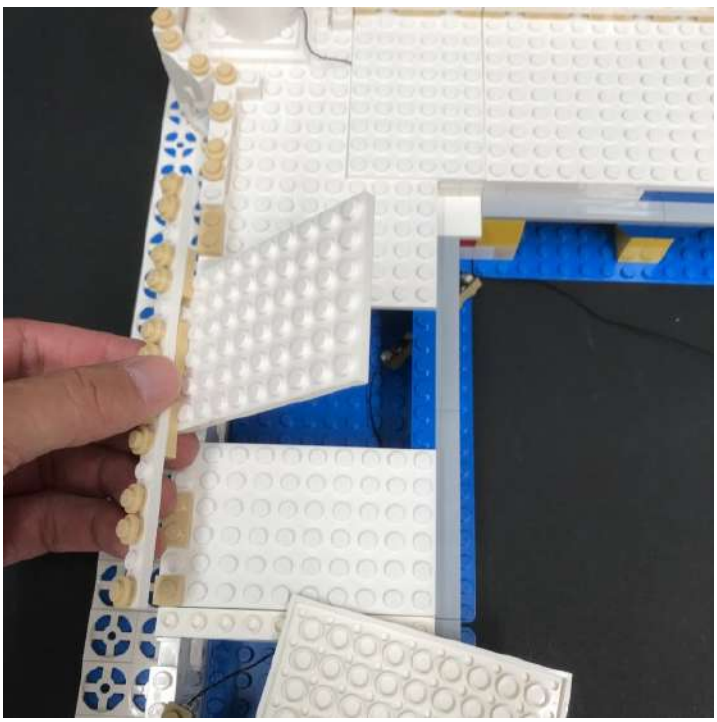




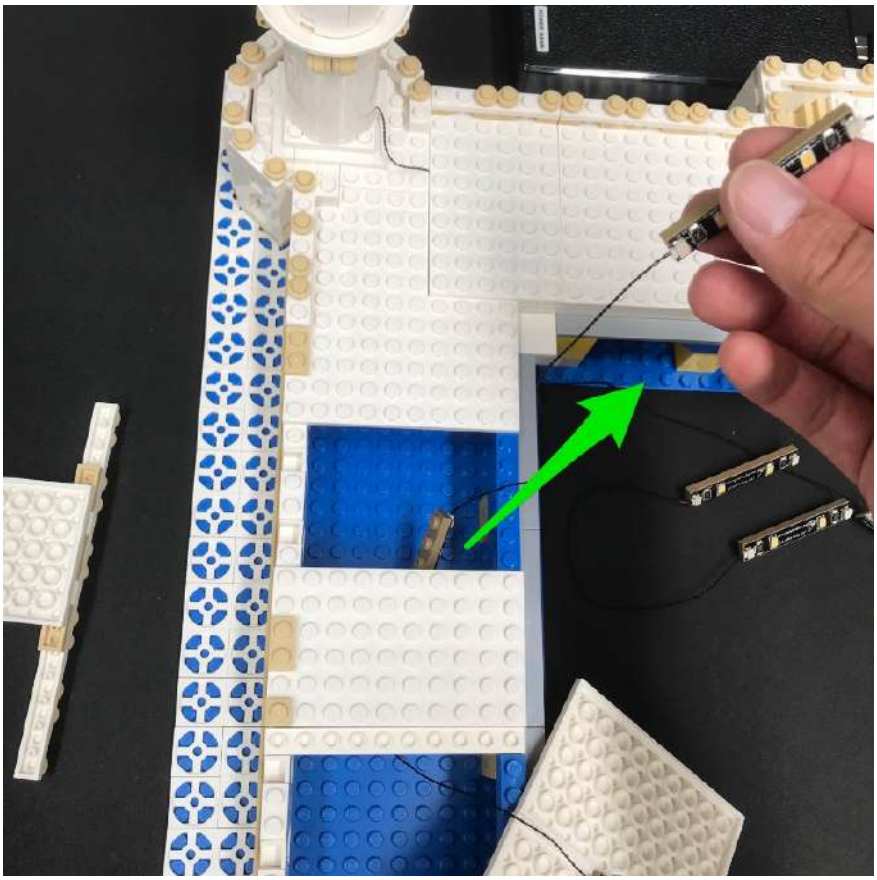
Mount the third strip light to the bottom of the two plates we disconnected in the following position:



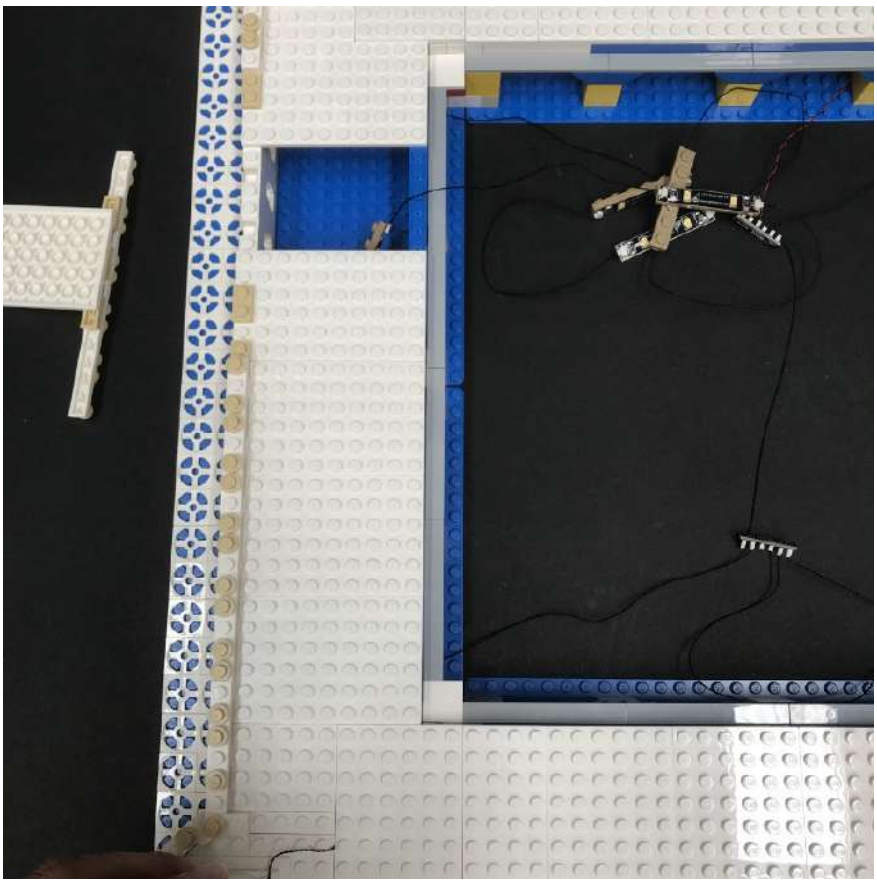
23.) Disconnect the following plate to allow us to thread the rest of the strip lights under and then out the space which has been created.



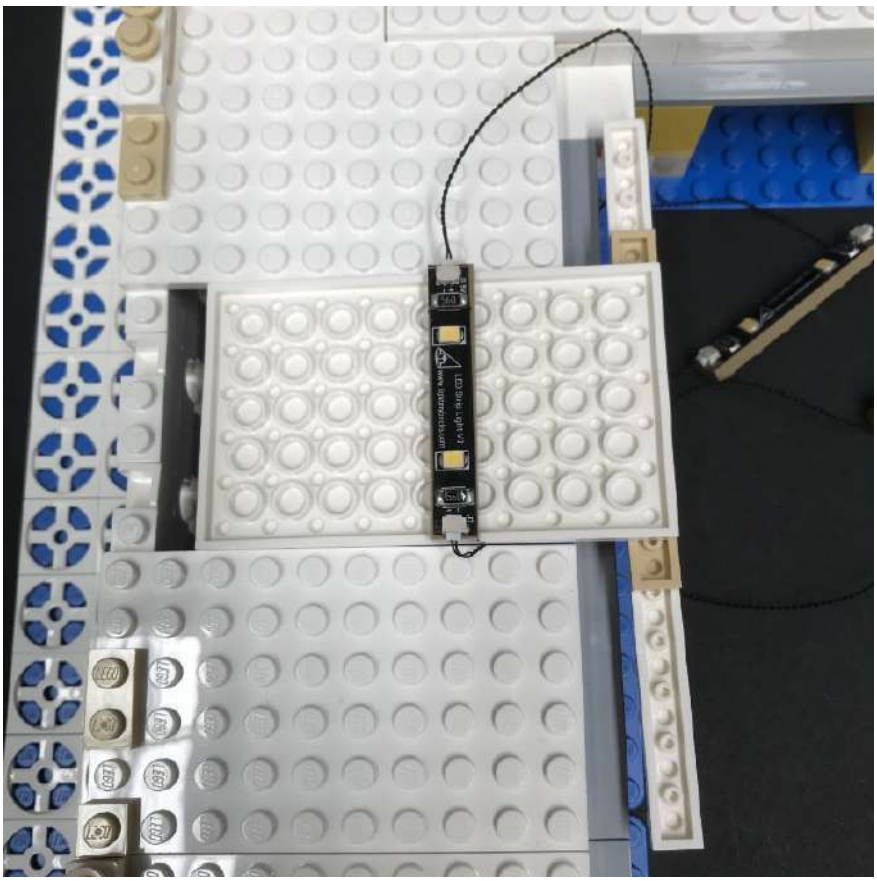


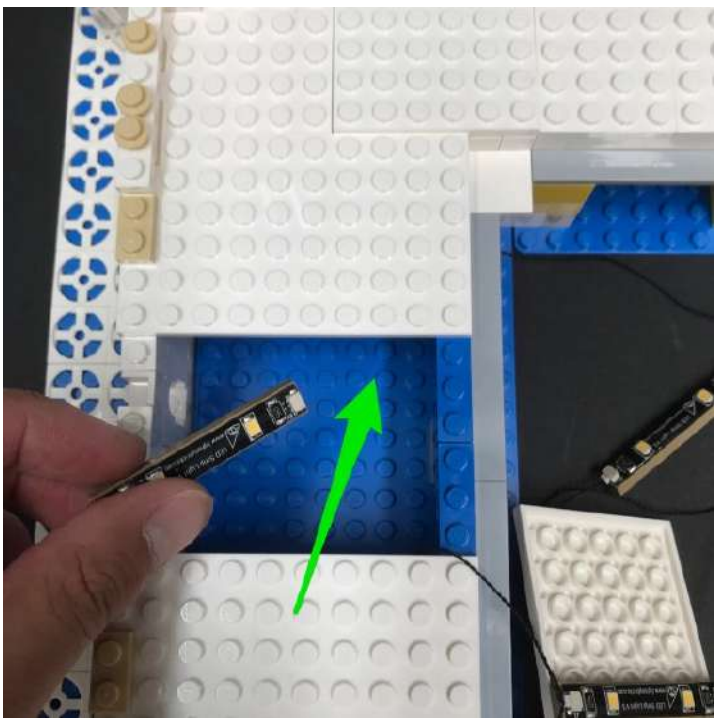


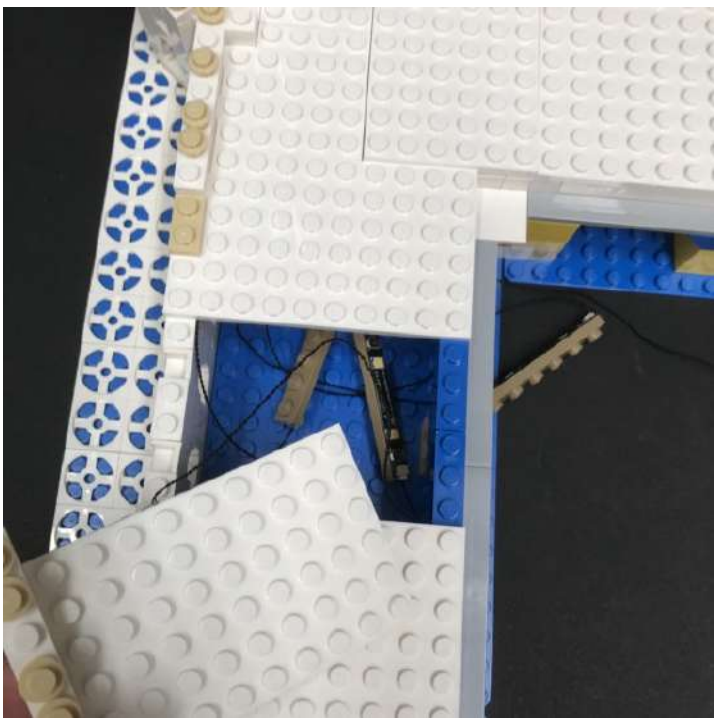
Reconnect the two plates we disconnected earlier

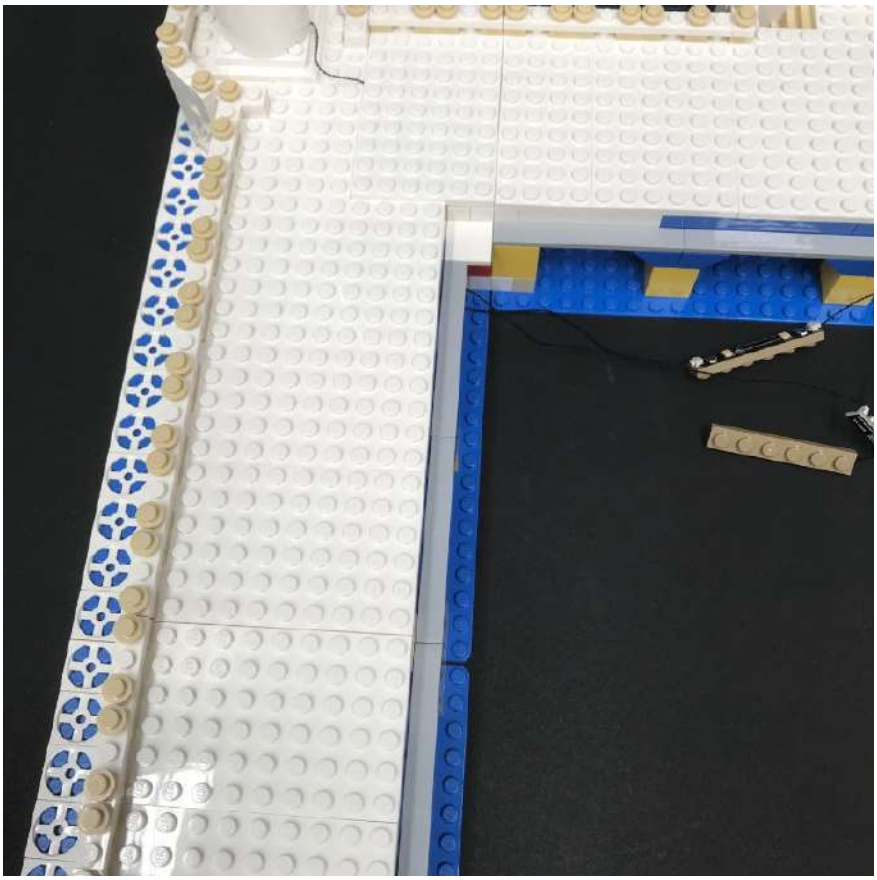


24.) Mount the fourth strip light underneath the plate we removed in step 23 then thread the remaining strip lights down the space below before reconnecting the plate.

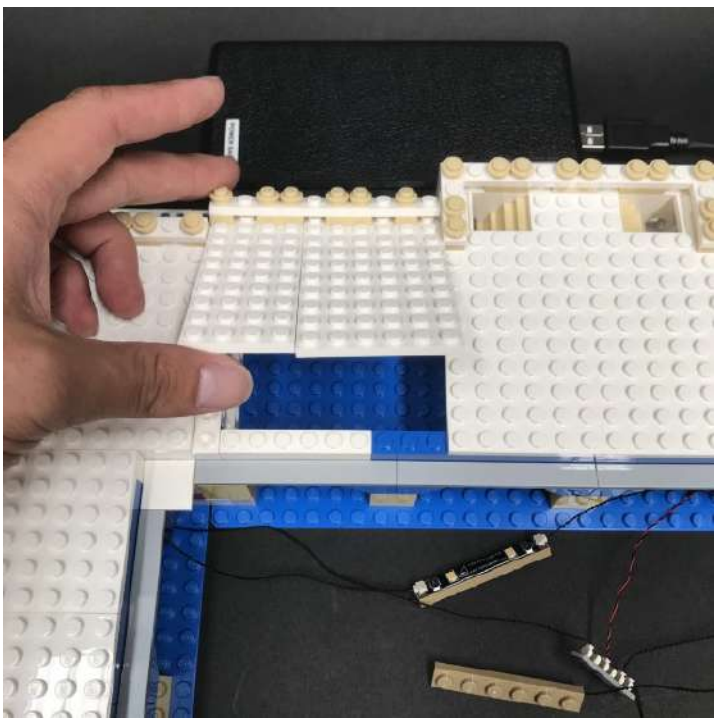


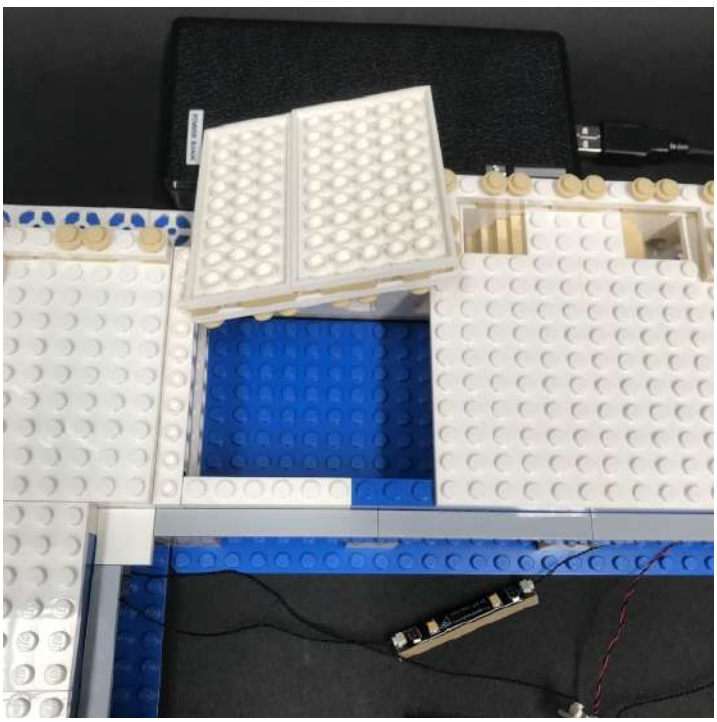




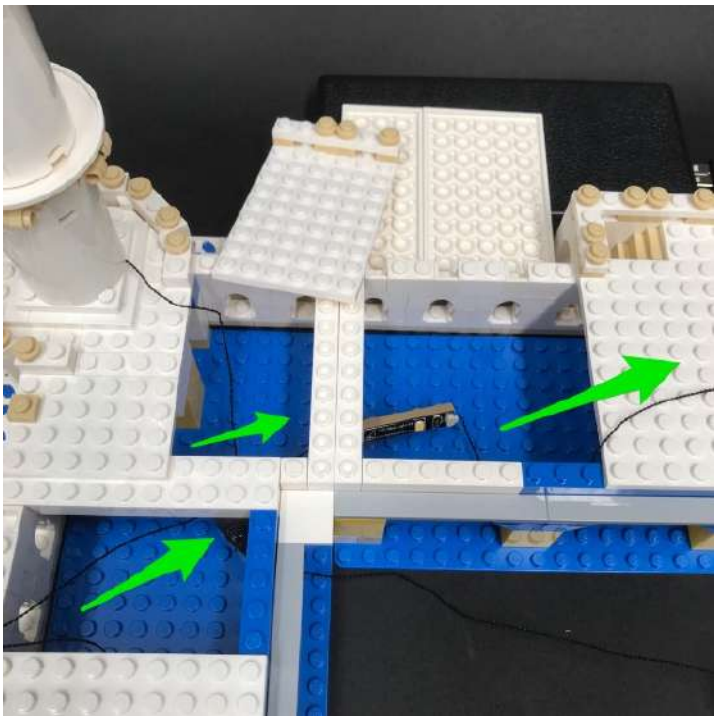


25.) Disconnect the following two plates from the top left of the base as per below:





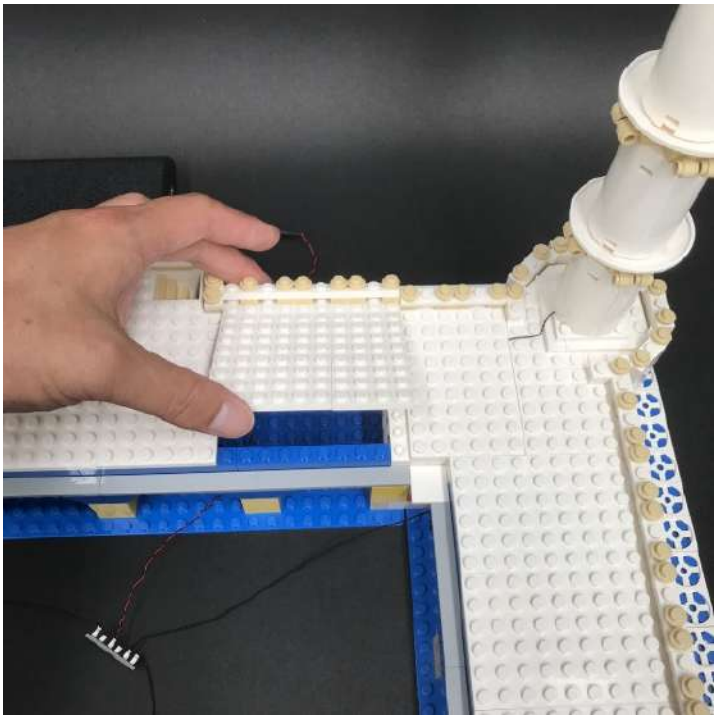
Pull the strip lights out from the left side and then mount the fifth strip light underneath the two plates in the following position:

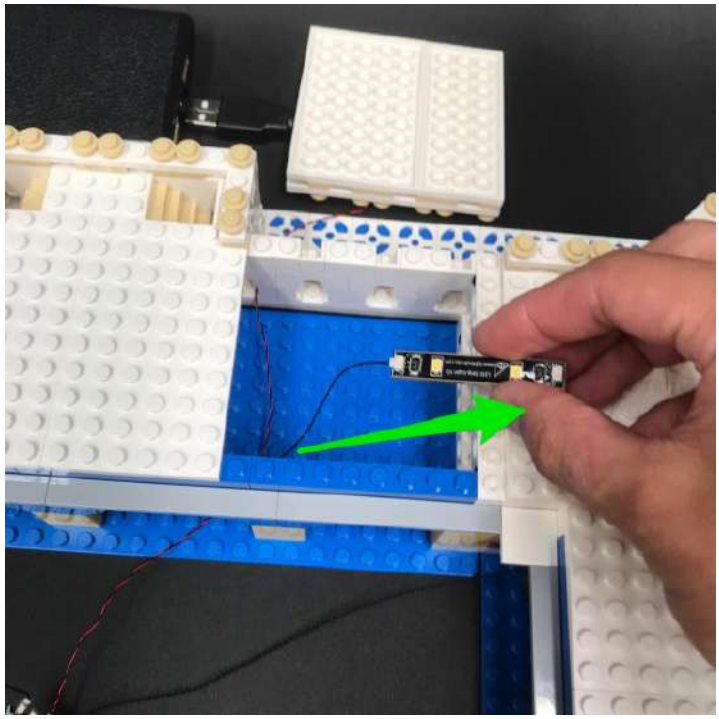


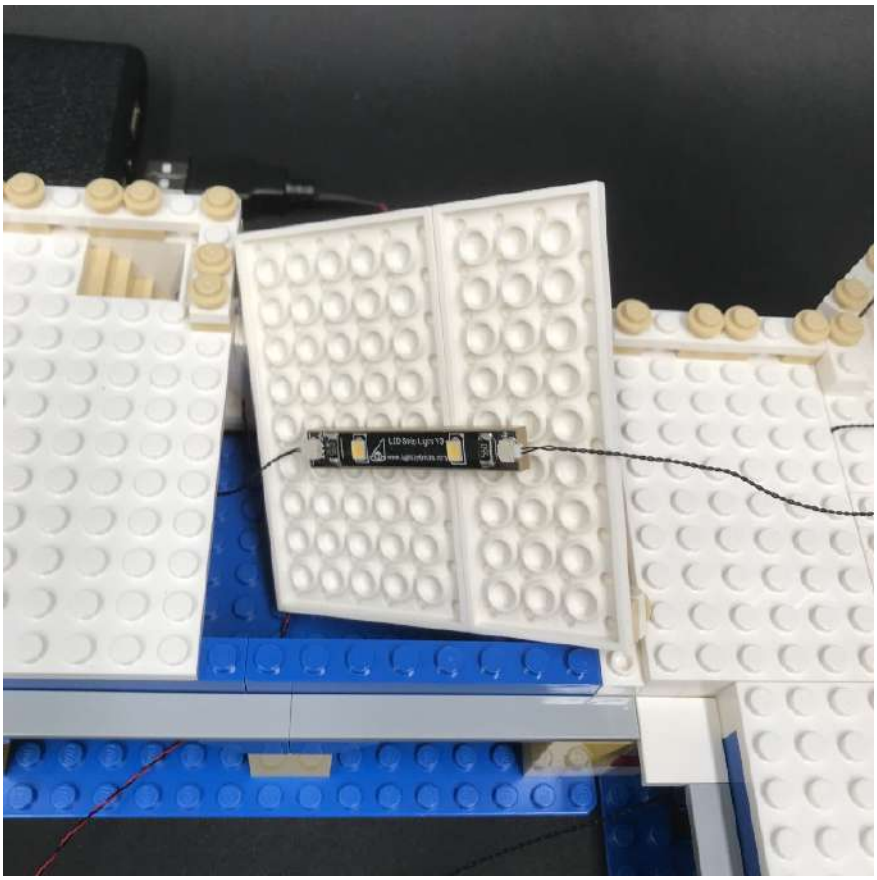
You can disconnect extra plates to make it easier to pull the strip lights through

Thread the remaining strip lights down through the space toward the right before reconnecting the two plates.

26.) Disconnect the next two plates toward the top right corner of the base. Pull the strip lights out towards the right from underneath before mounting the sixth strip light to the following position underneath the two plates.

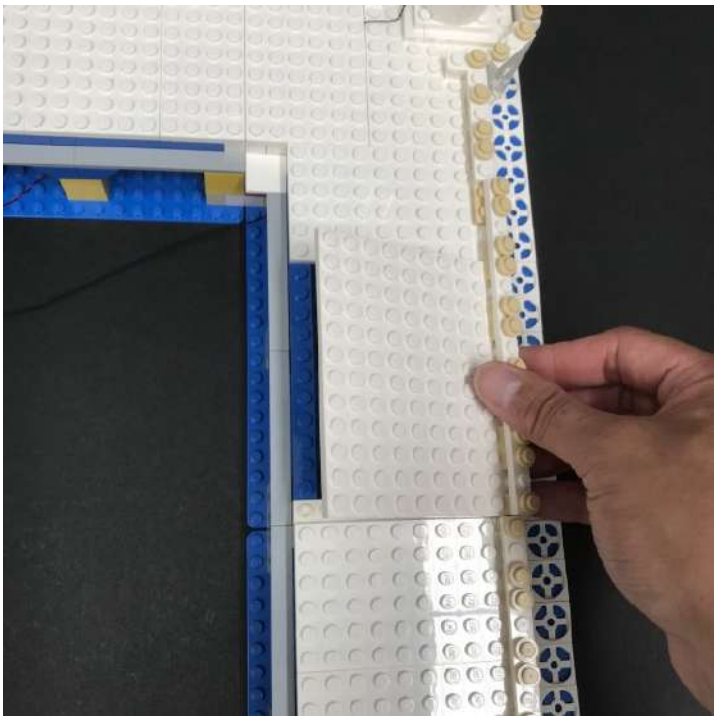


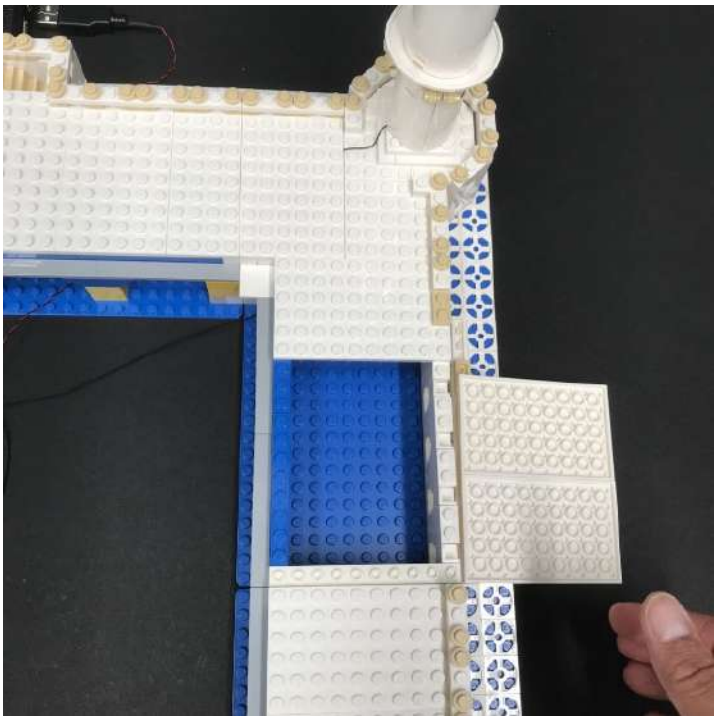




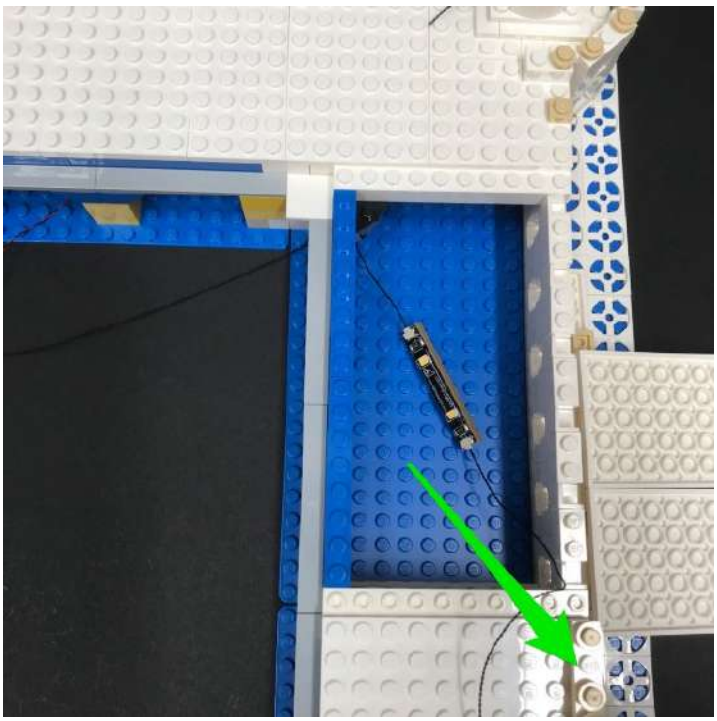
Thread the remaining strip lights down through the space toward the right before reconnecting the two plates.

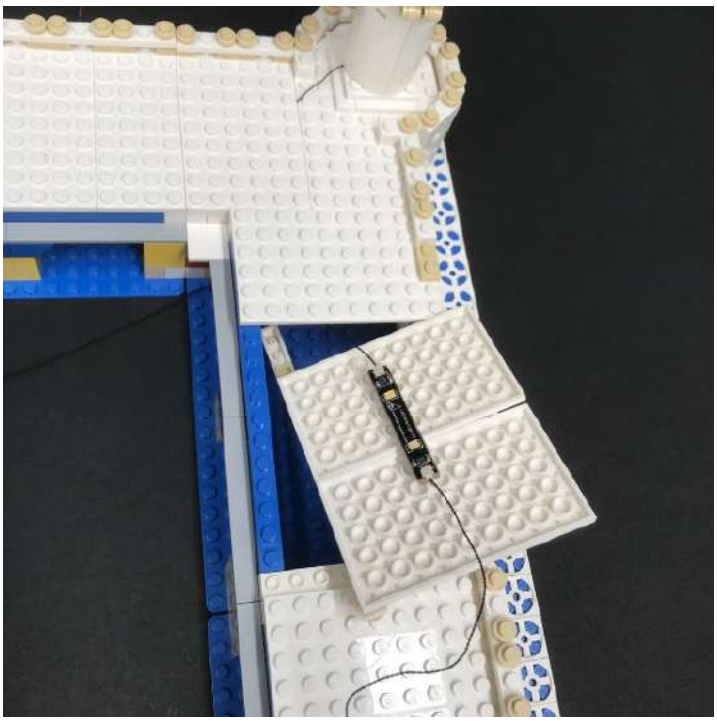
27.) Disconnect the following two plates underneath the top right corner of the base as per below:





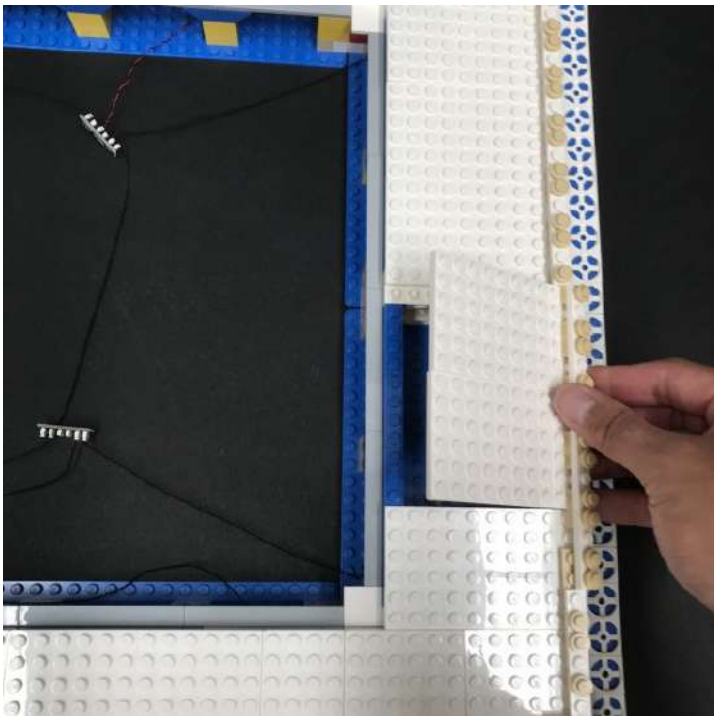
Pull the strip lights out from the left side and then mount the seventh strip light underneath the two plates in the following position:

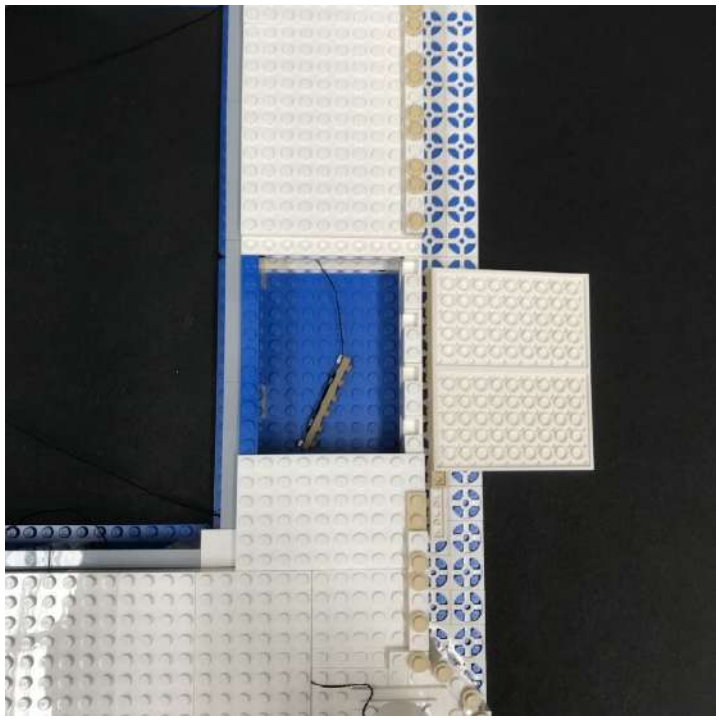




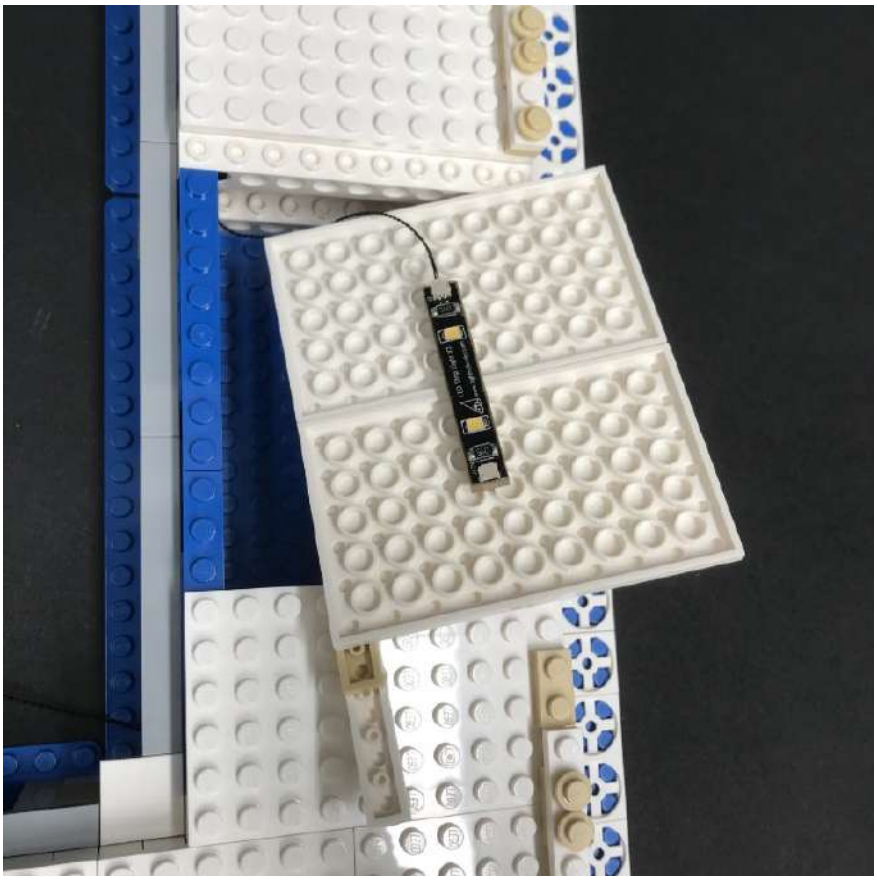
Thread the remaining strip light down through the space before reconnecting the two plates.

28.) Disconnect the following two plates toward the bottom right corner of the base as per below:

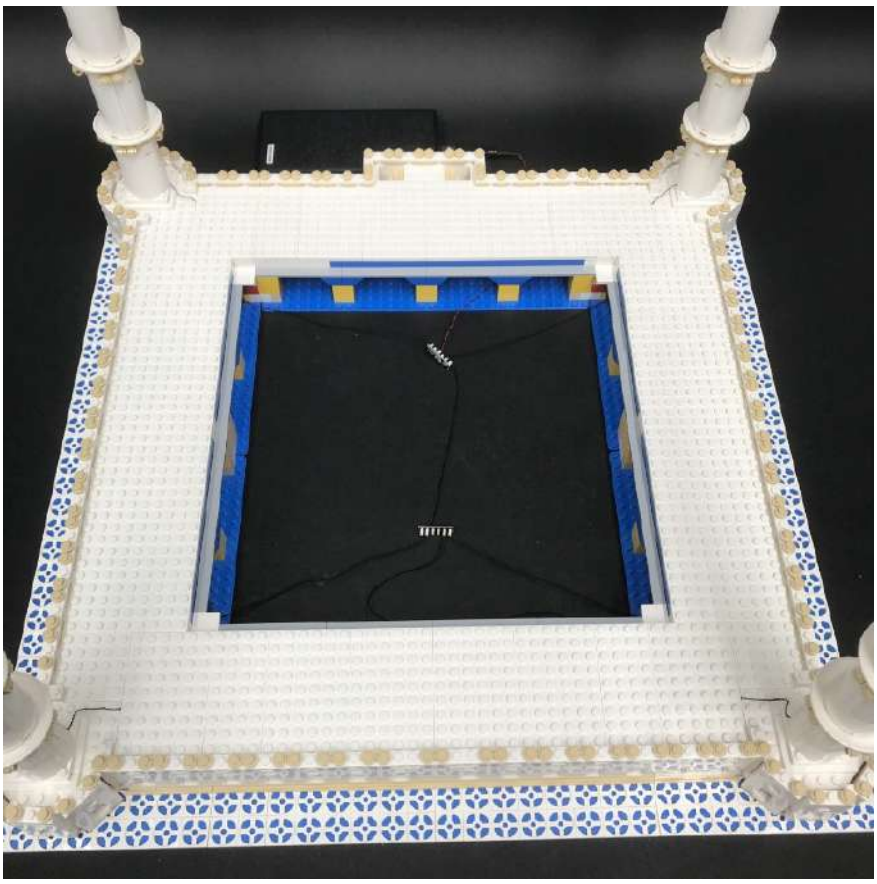




Pull the remaining strip light out and then mount it underneath the two plates in the following position:

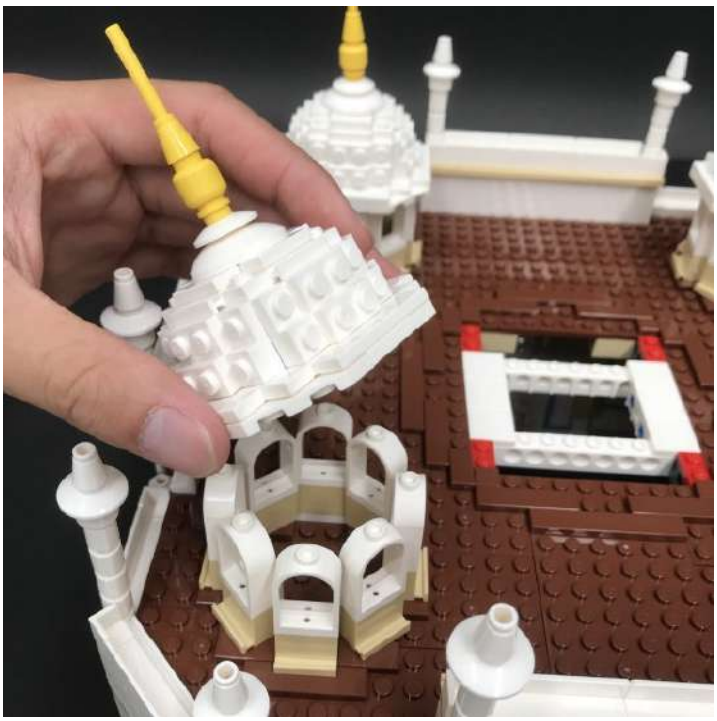


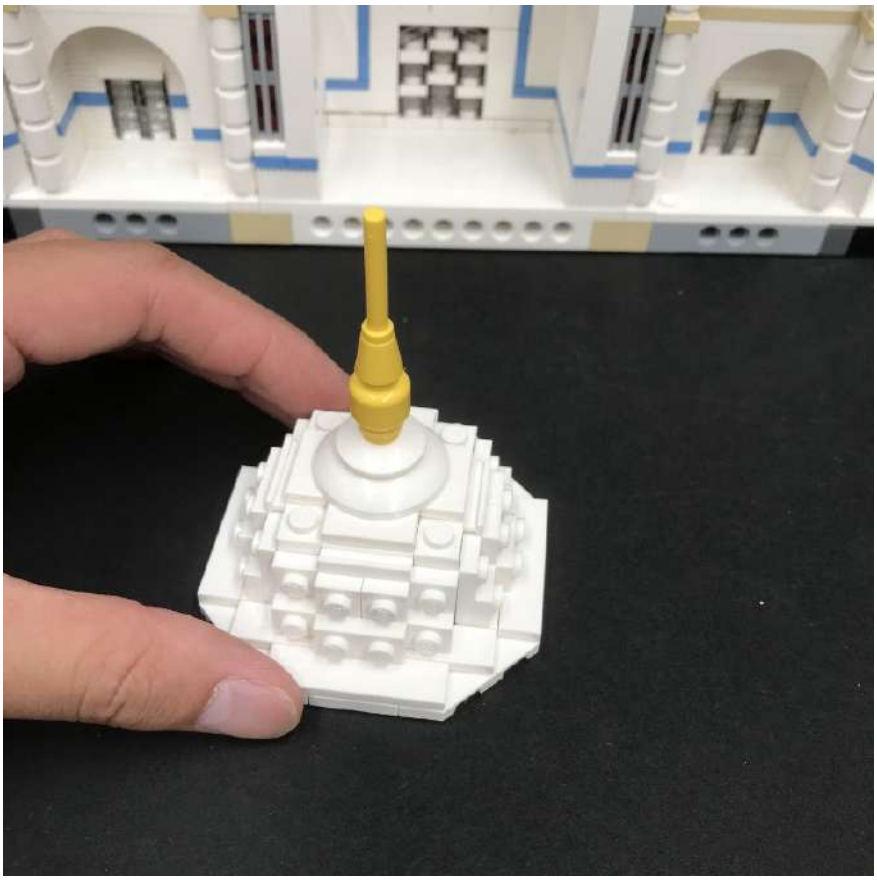
Reconnect the two plates.



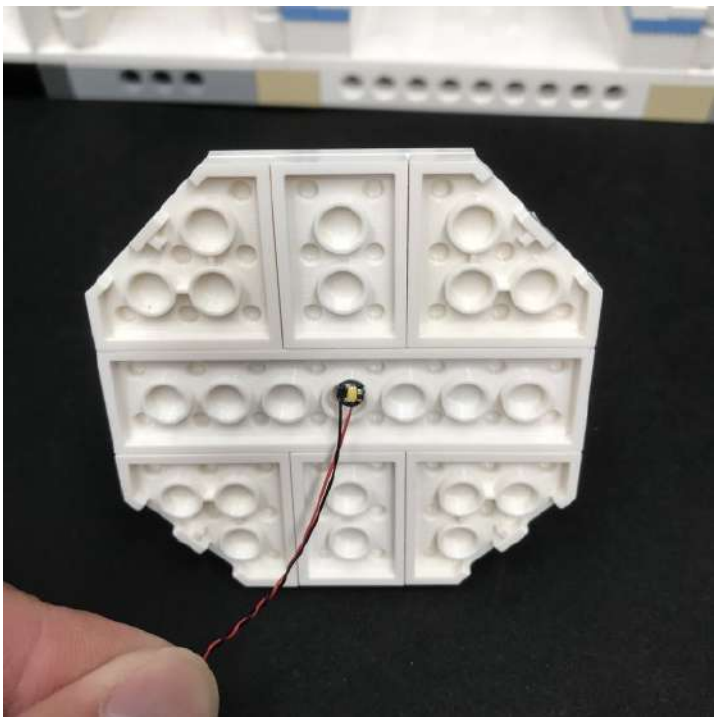
We have now completed installation of all the strip lights to light the entire base. Check that all the strip lights and tower lights are working ok by turning on your USB power bank.

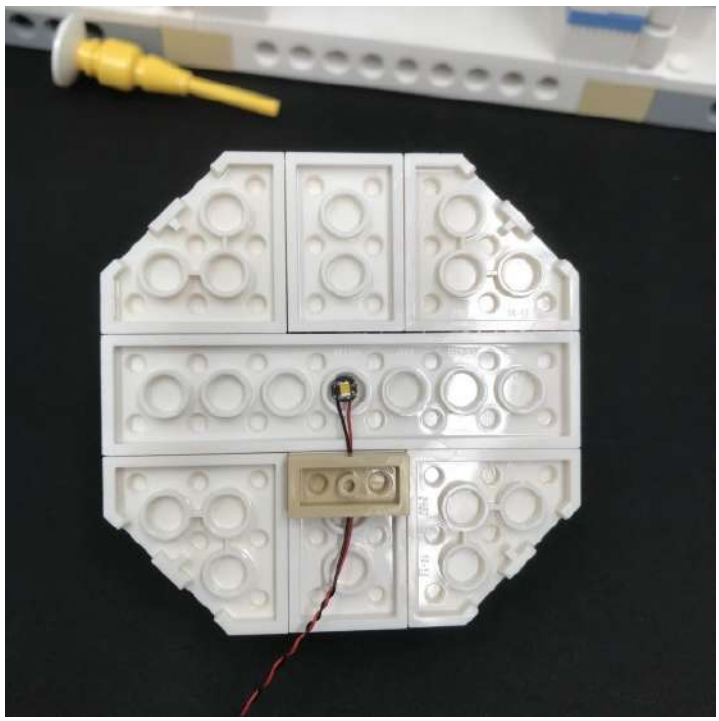
29.) We will now light the middle section of the Taj Mahal starting with the four towers on the top. Disconnect the roof off the first tower from the below position:



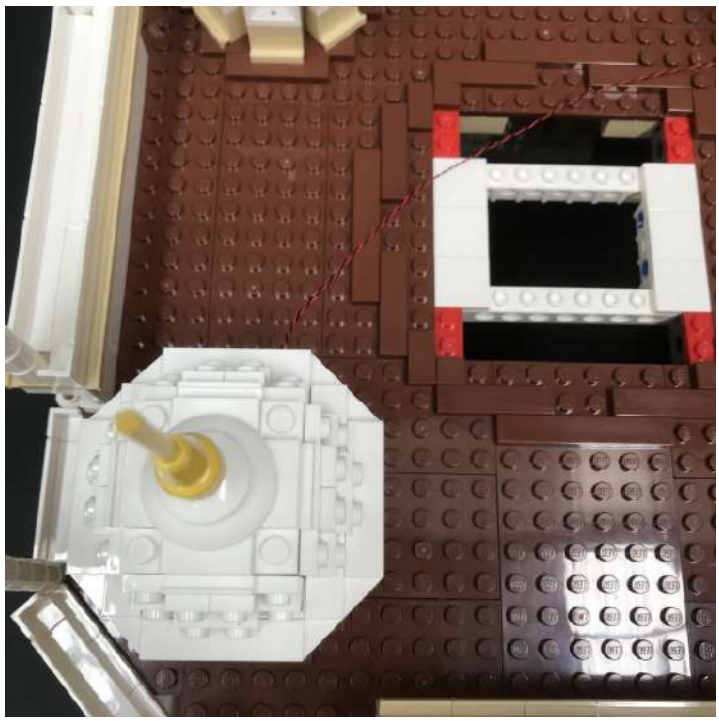


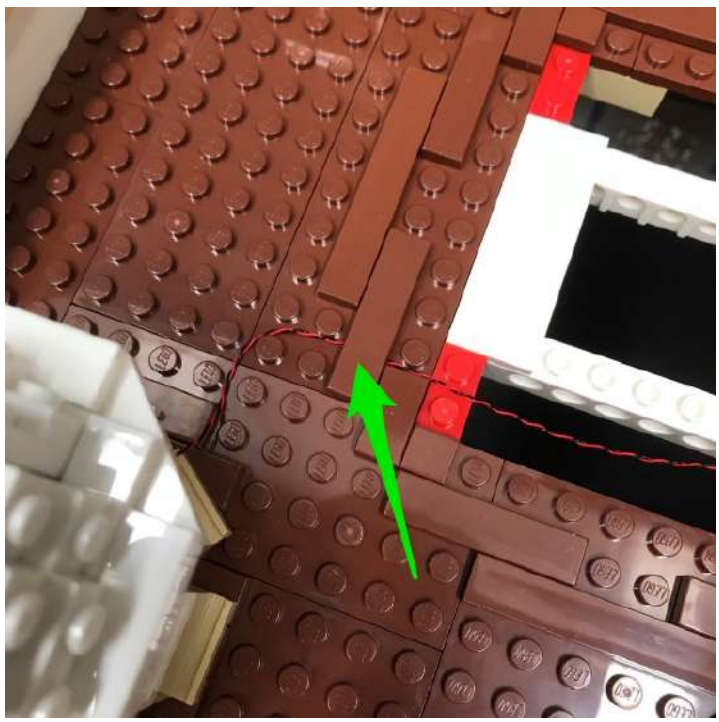
Take a **White 30cm Bit Light** and place it in underneath the roof directly in the centre. Take a **provided LEGO 1x2 Plate** and connect it underneath the roof to secure the Bit Light in place as per below:



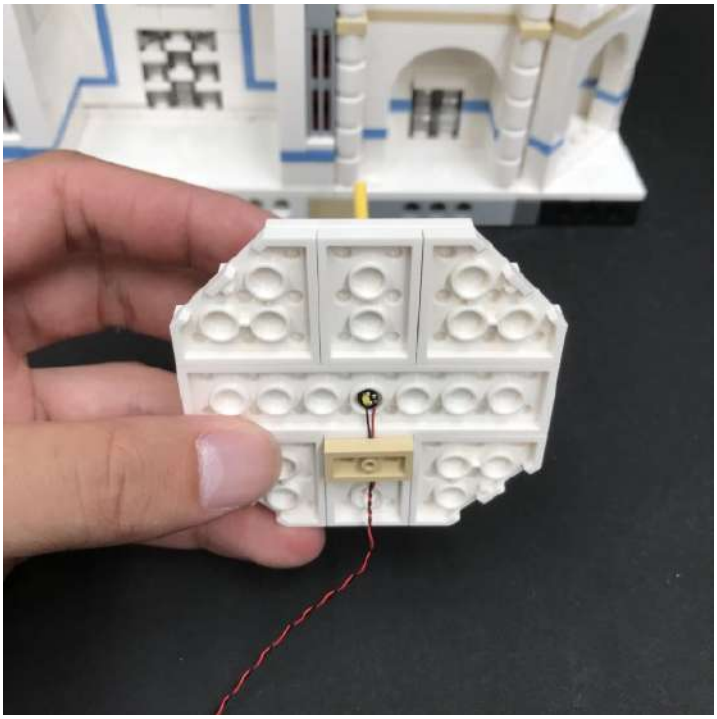


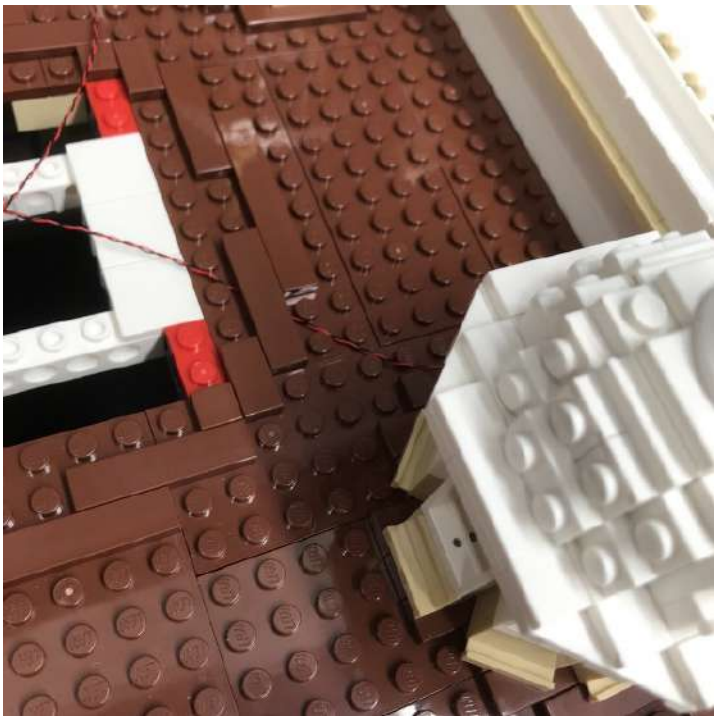
30.) Reconnect this section back to the tower ensuring the cable is facing toward the back. Run the cable down one corner of the tower and along the base. Secure the cable in between studs under the following LEGO tile:



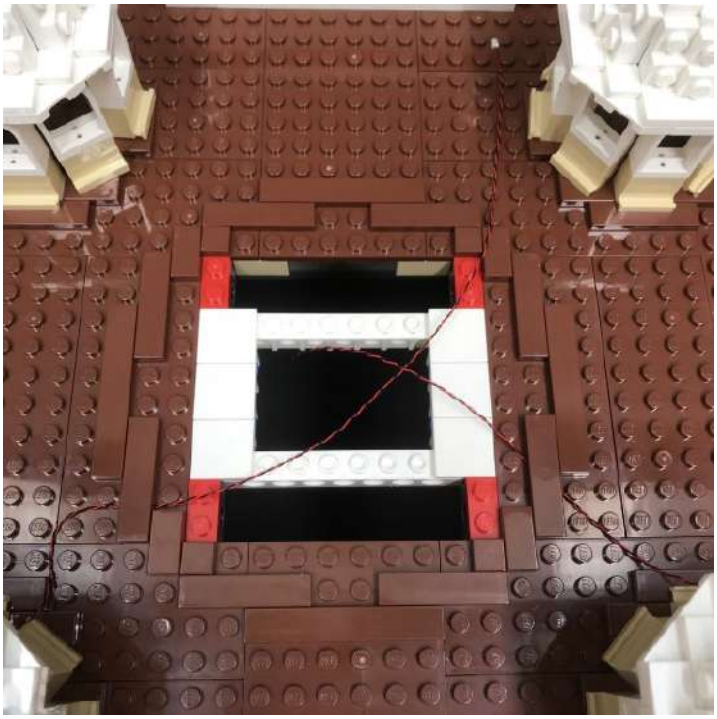


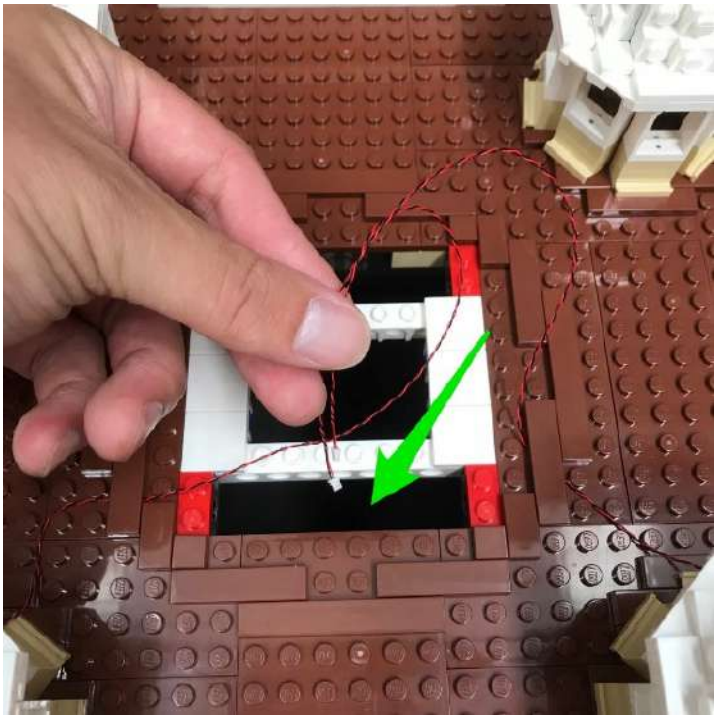
31.) Install another **White 30cm Bit Light** to the other front tower using the same method as we used to light the other tower.

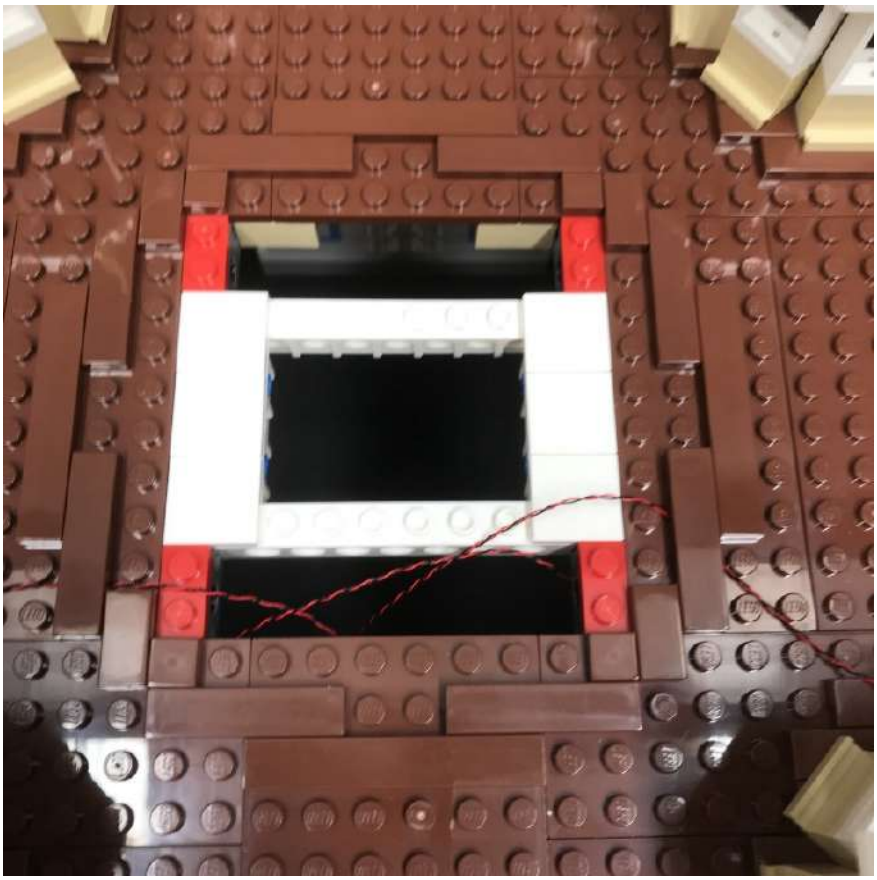




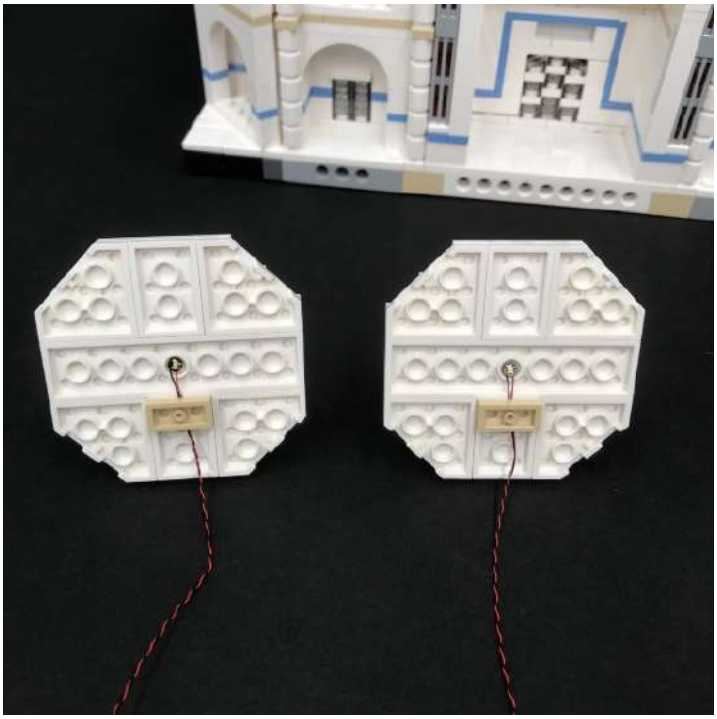
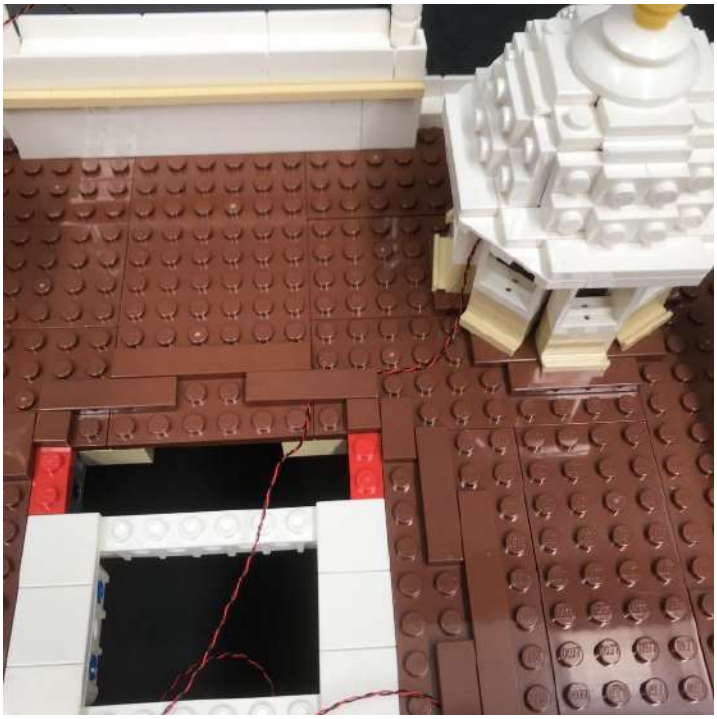
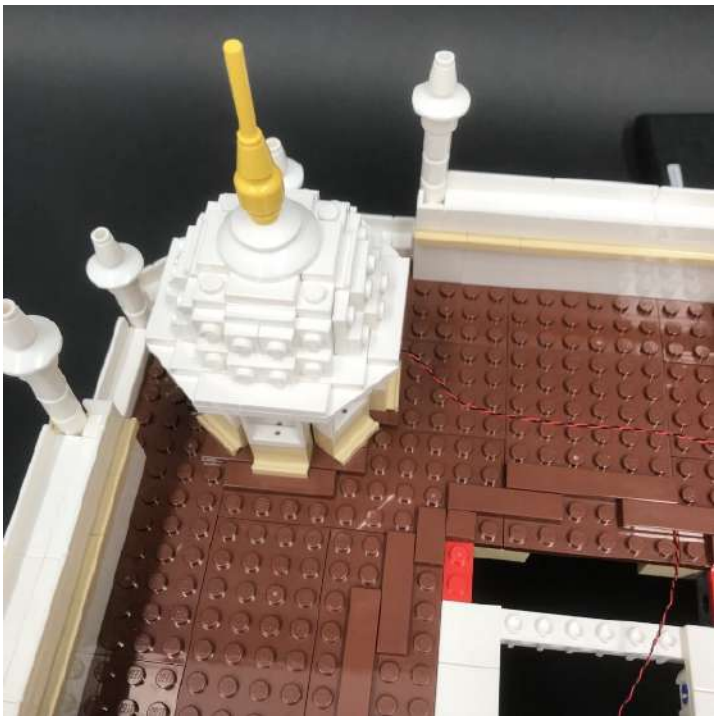
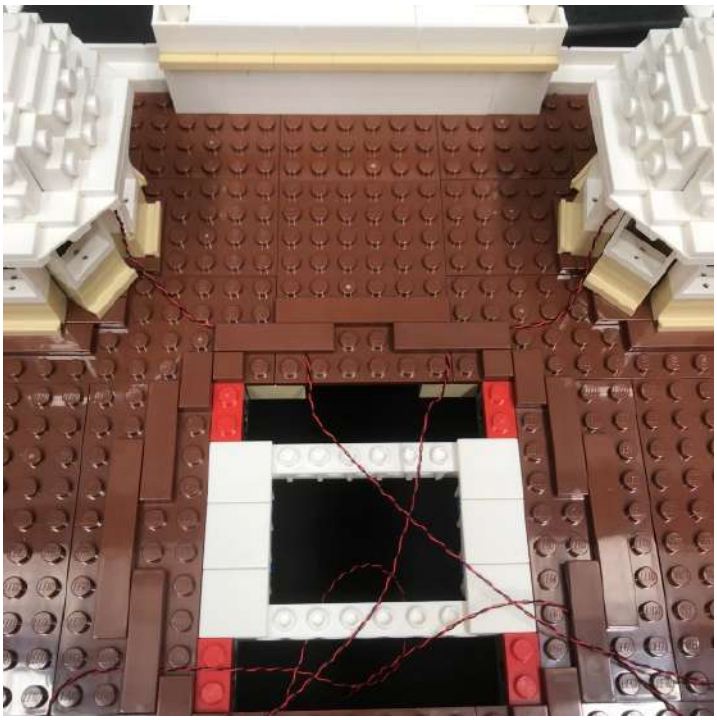
32.) Take the cables from both front towers and then thread them down the middle space.



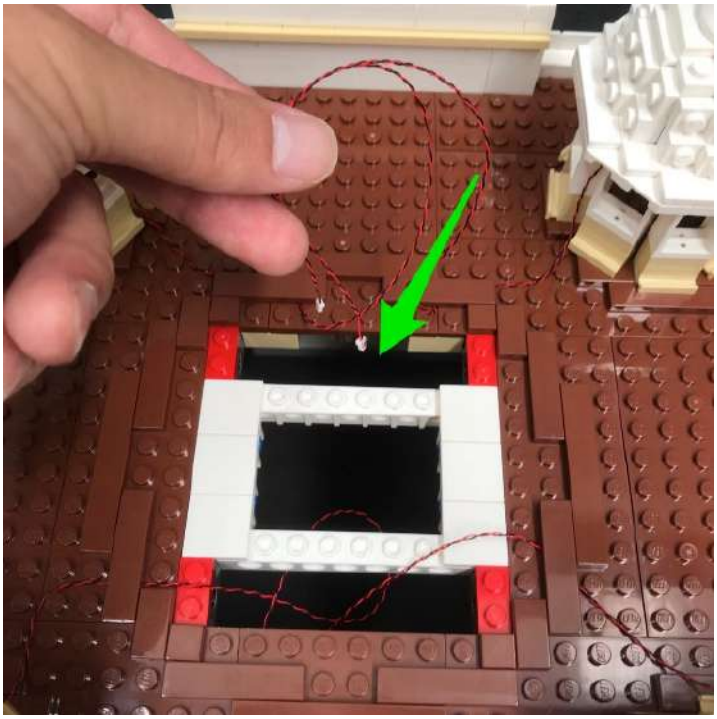


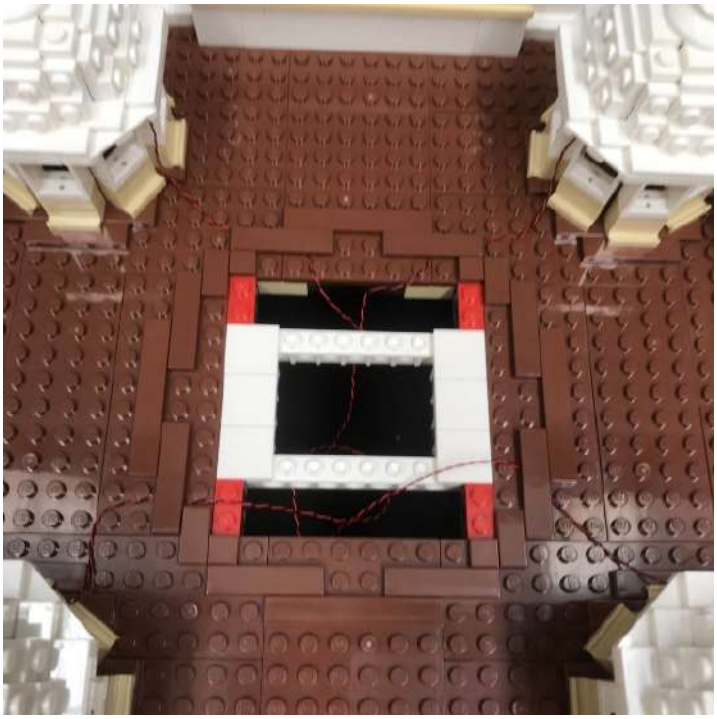


33.) Install another **2x White 30cm Bit Lights** to the remaining two towers in the back and then secure cables down by laying them in between studs under tiles.

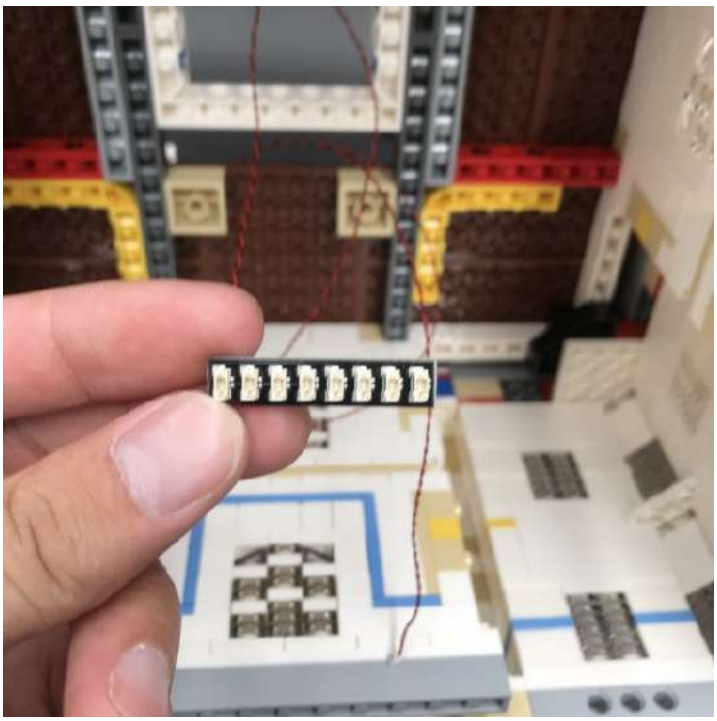





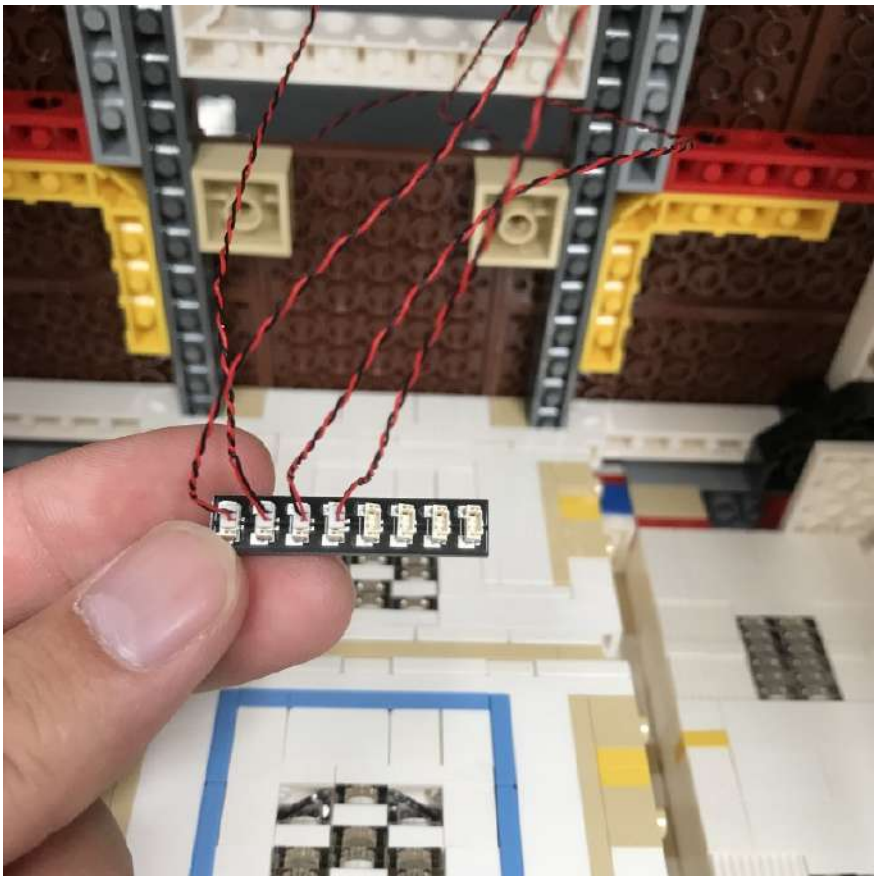
34.) Thread both cables from the back two towers down the middle space.



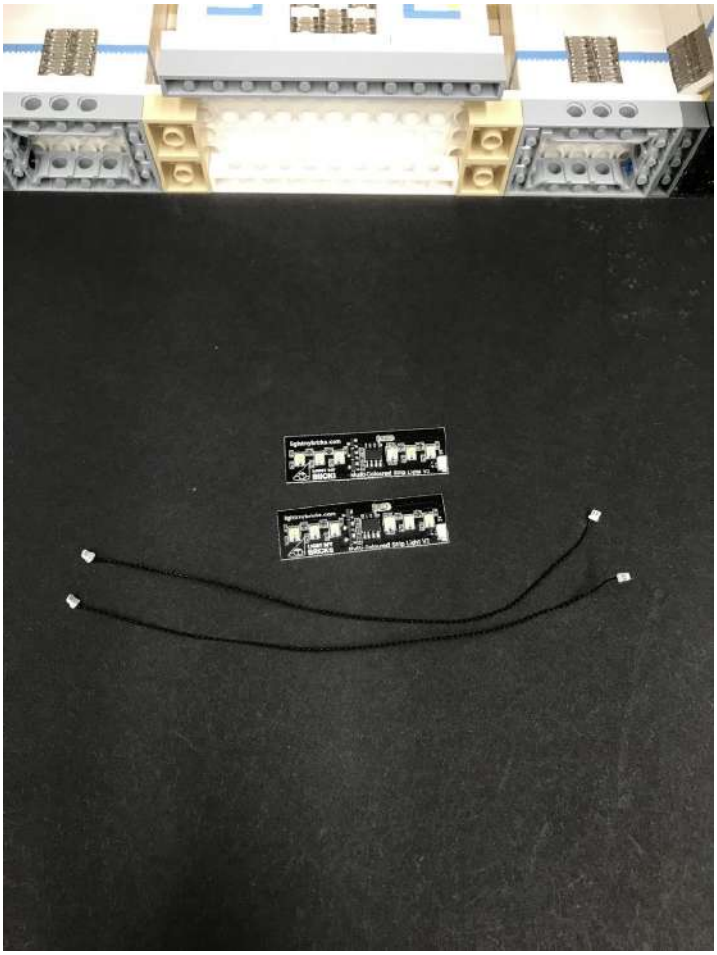


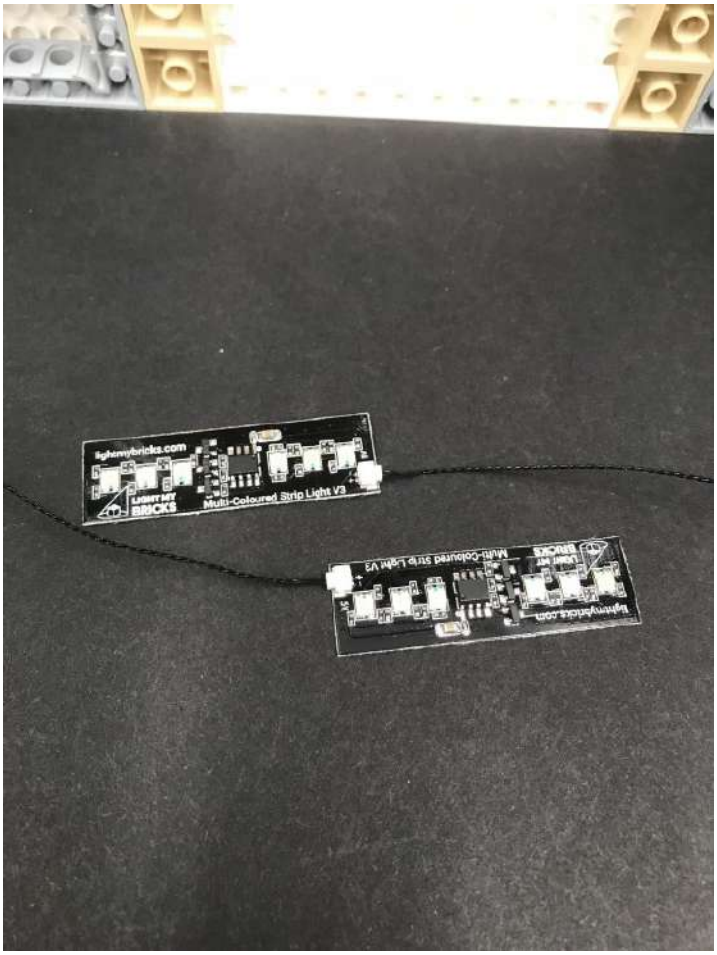
35.) Turn the entire middle section of the Taj Mahal onto it's back. Pull the four cables down from above and then connect them into a **8-port Expansion Board**



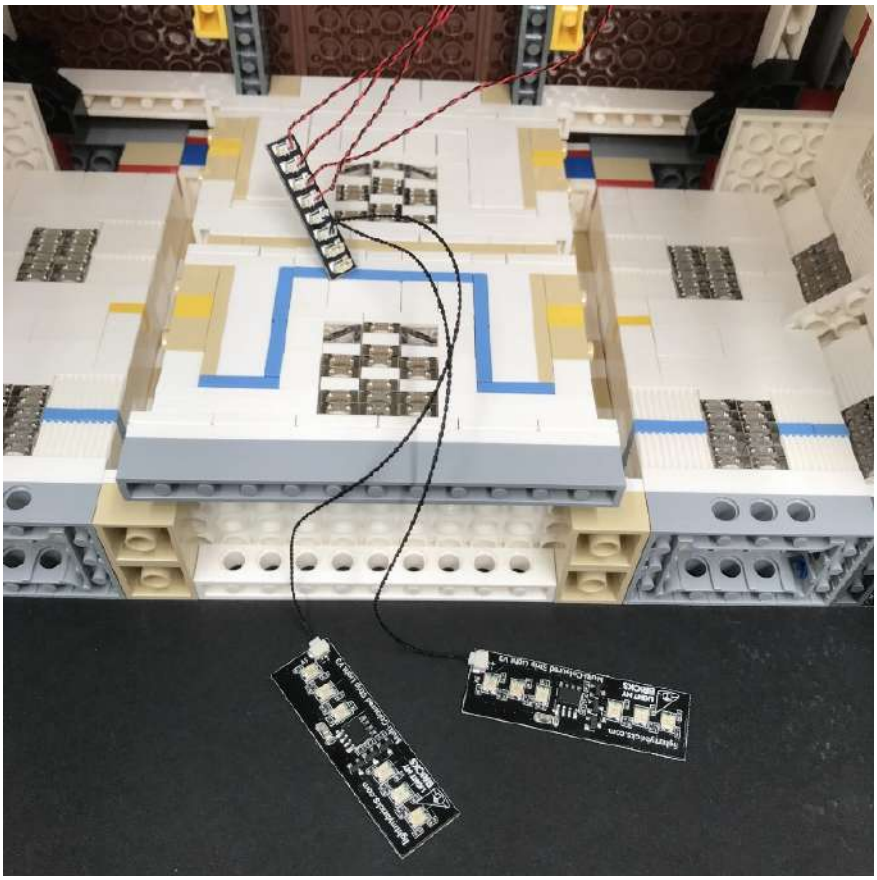


36.) Take **2x Multi-Colour Strip Lights** and connect a **15cm Connecting Cable** to each strip light (total **2x 15cm connecting cables**)

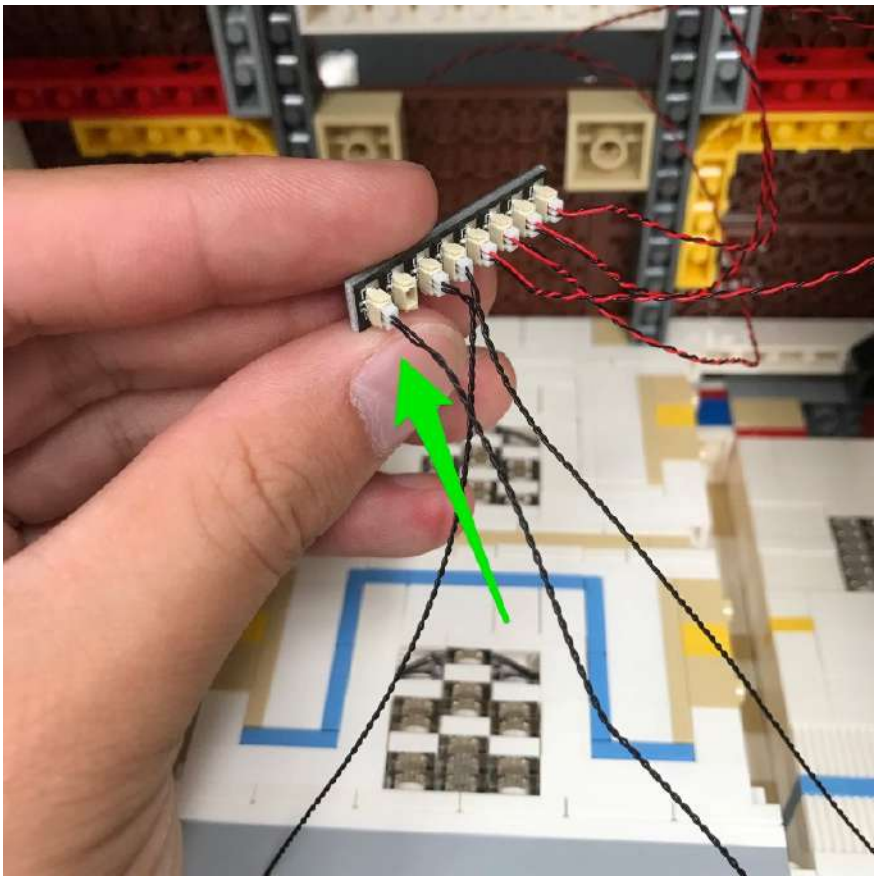




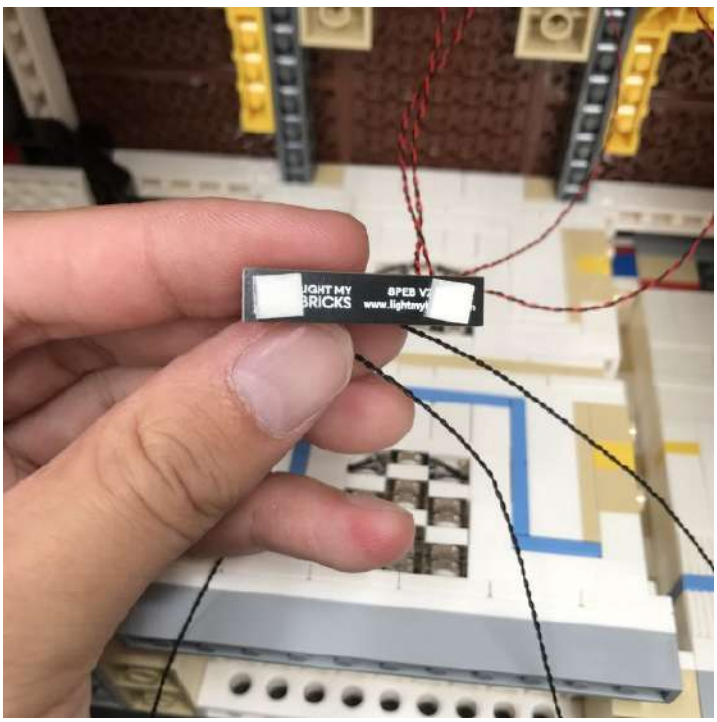
Connect the other end of each connecting cable to the 8-port expansion board.

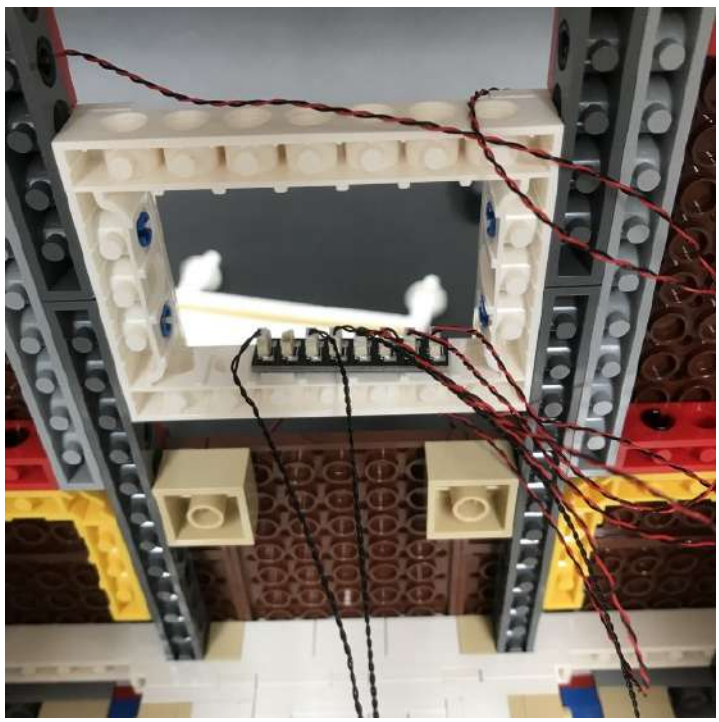


37.) Take a **30cm Connecting Cable** and connect it to a spare port on the expansion board.

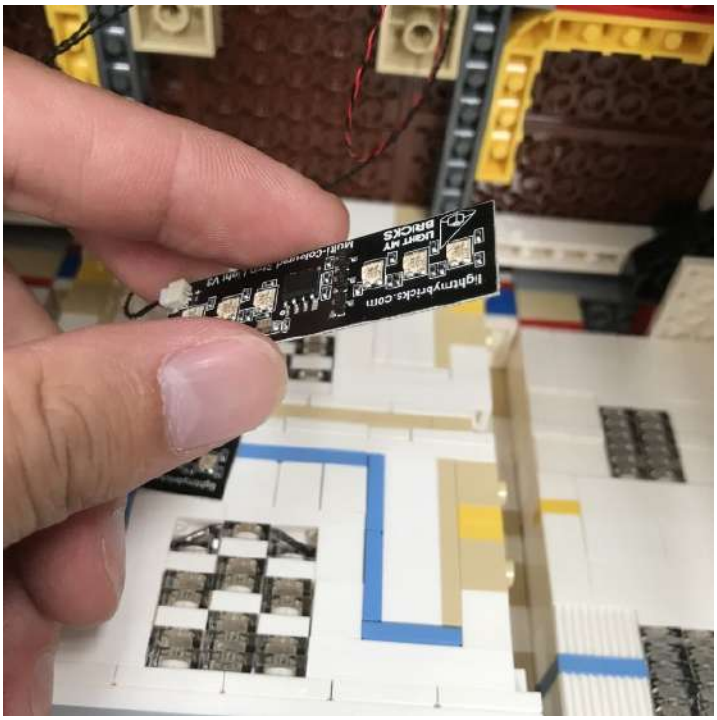


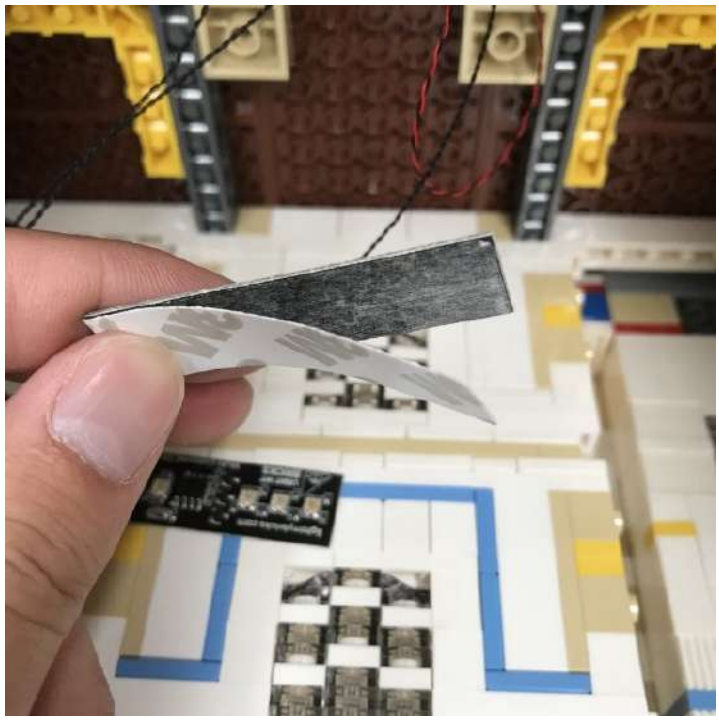
38.) Mount the expansion board to the following position inside the tower using **2x Adhesive Squares.**

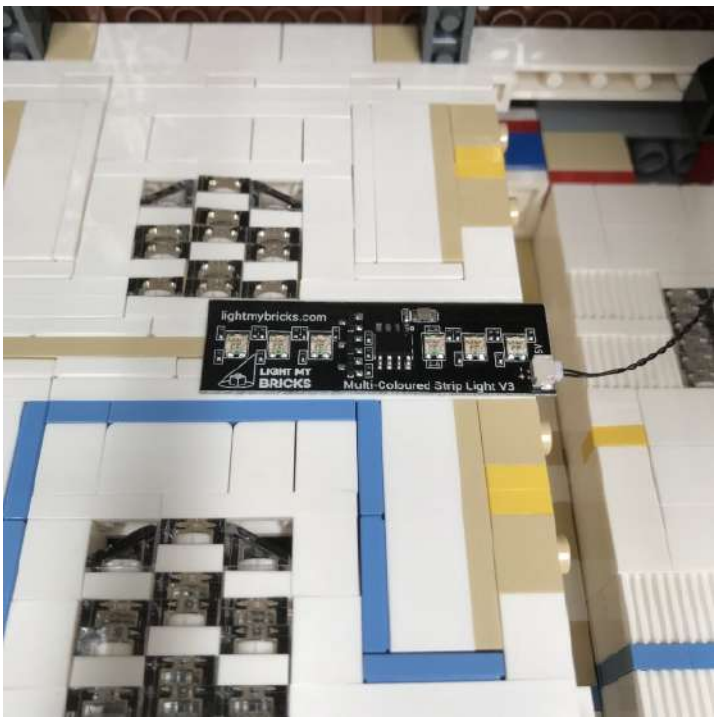


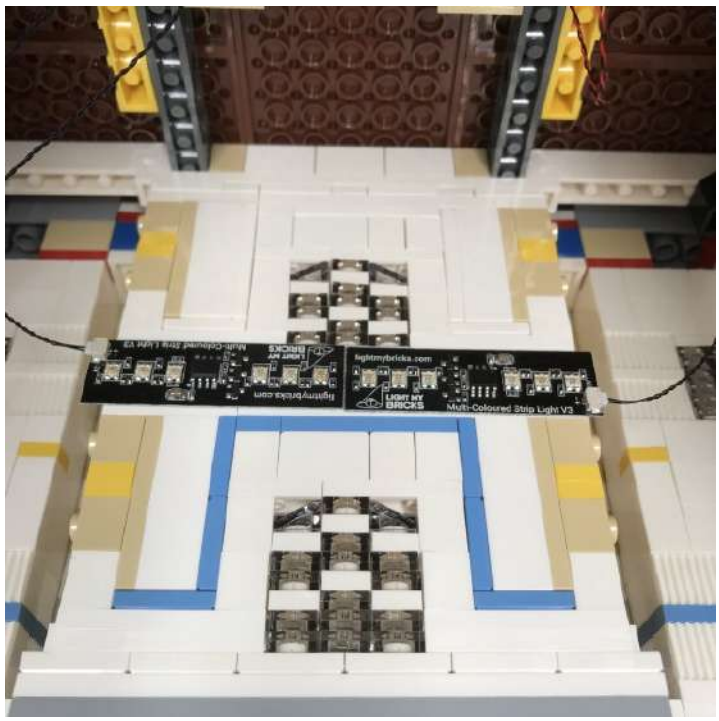


39.) Mount the 2x Multi-Colour Strip Lights to the back wall using each strip light's adhesive backing.

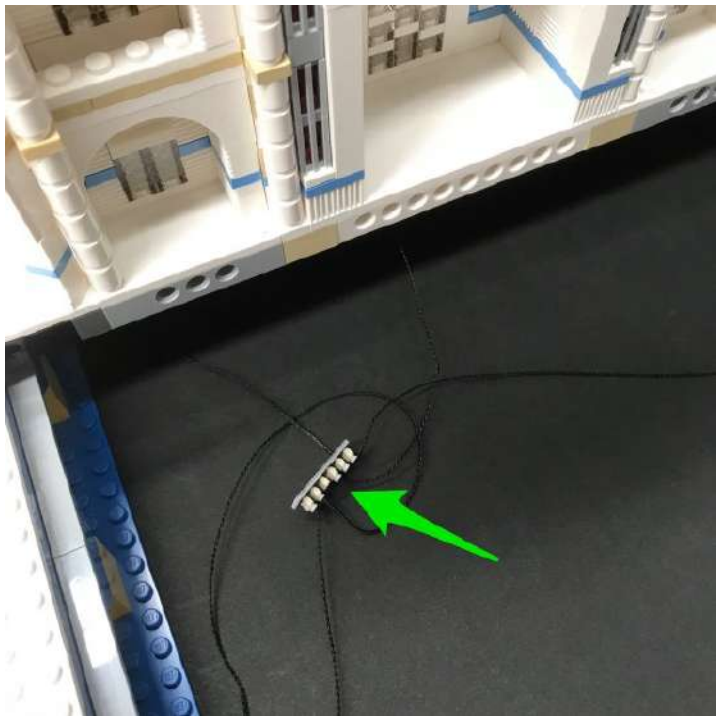






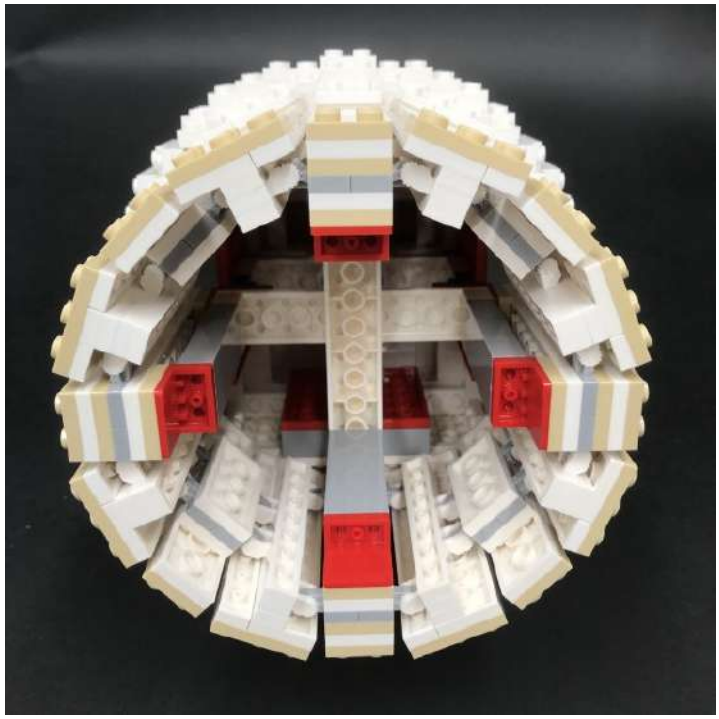


40.) Take the entire middle section of the Taj Mahal over the ground floor and then locate the other end of the 30cm connecting cable from the 8-port expansion board and then connect it to one of the 6-port expansion boards on the ground floor below.

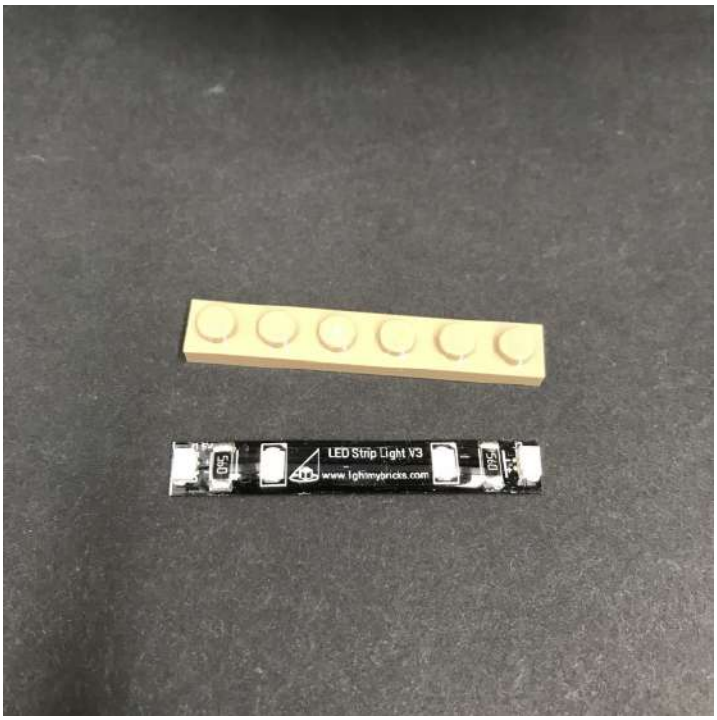


Secure the middle section of the Taj Mahal in place and then test all the lights installed so far are working OK by turning on your USB power bank.

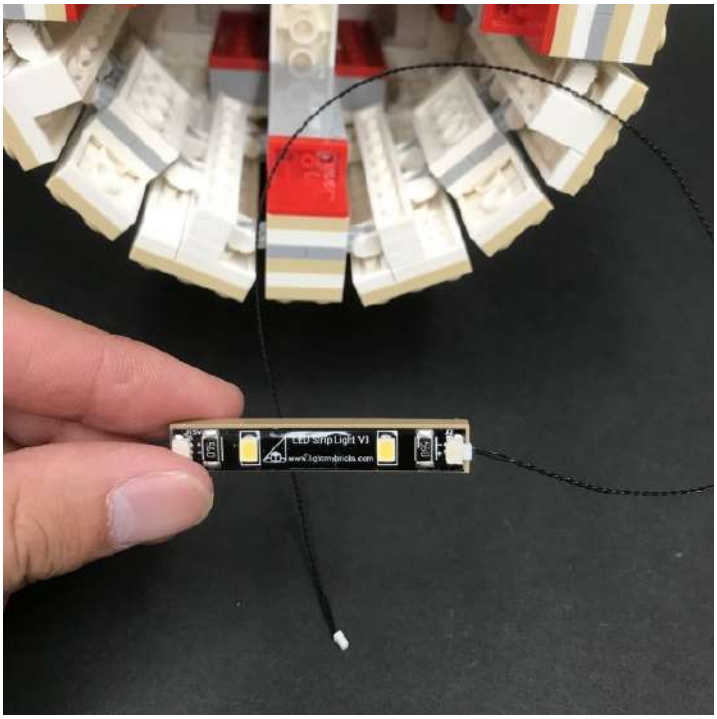
41.) We will now light up the top tower of the Taj Mahal. Take this tower and then disconnect the following section from the base:

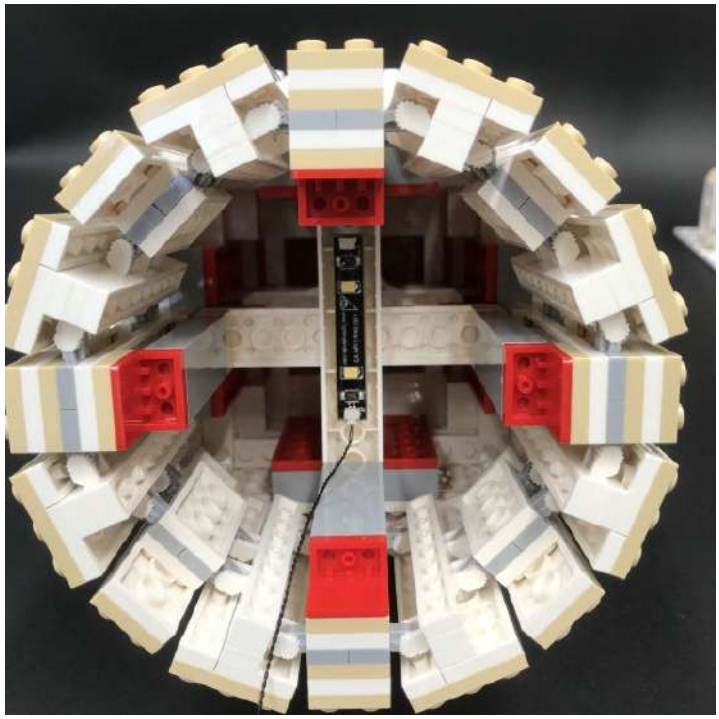


Take the remaining **White Strip Light** and then stick it to the remaining **provided LEGO 1x6 Plate.**

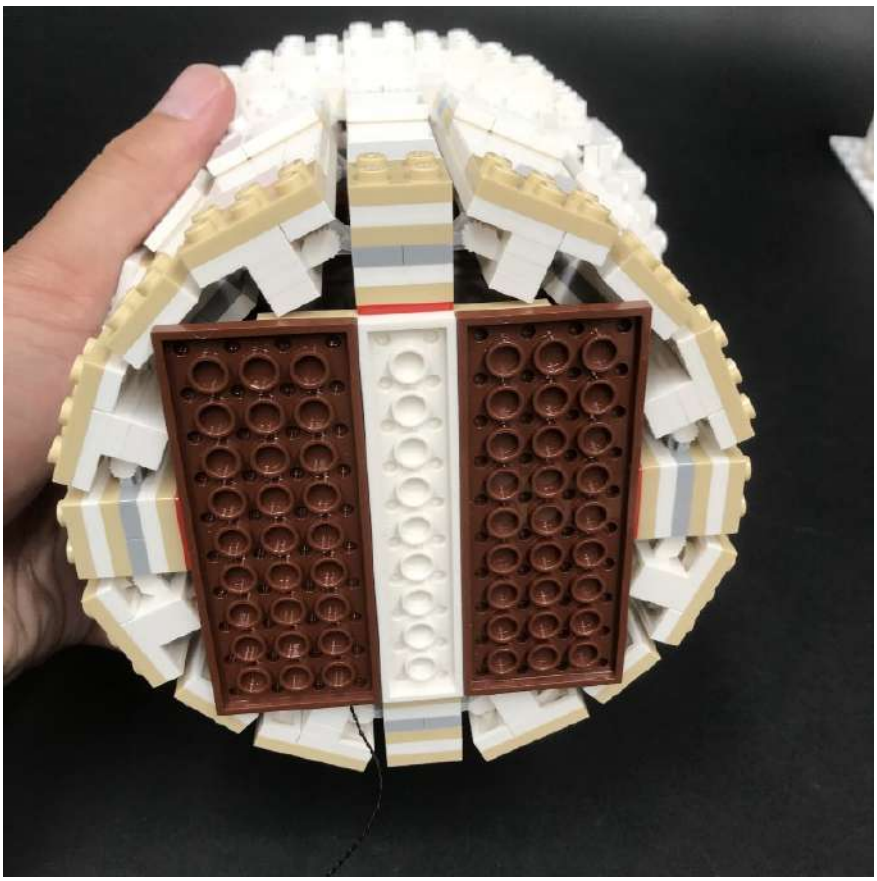


42.) Connect the remaining **30cm Connecting Cable** to the strip light and then mount the strip light to the inside of the tower in the following position

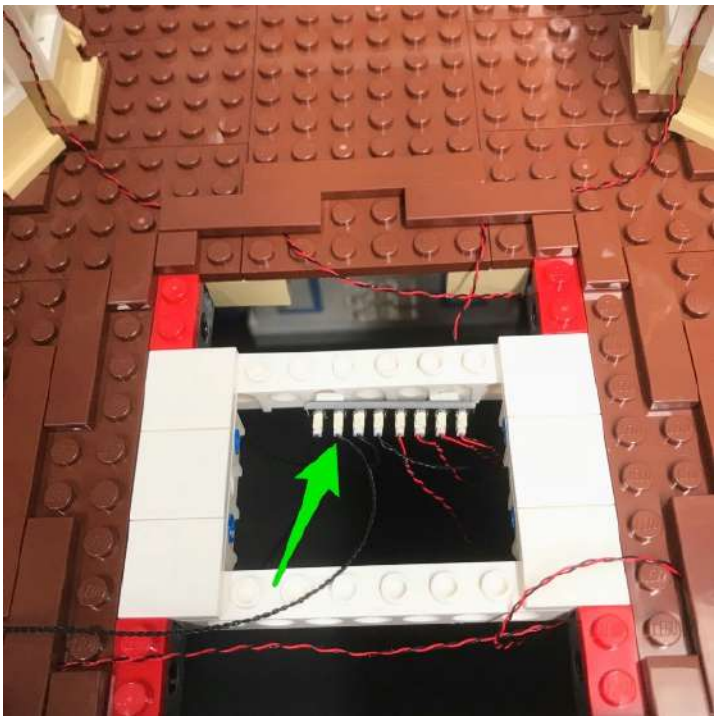




43.) Reconnect the section we removed to the base of the tower ensuring the cable is threaded through.



Take the entire section over the Taj Mahal and then connect the other side of the 30cm connecting cable to the 8-port expansion board below.



Securely reconnect the main tower.

This finally completes installation of the Light My Bricks Taj Mahal Light Kit. Now turn on your light kit and ENJOY!

. . .

LIGHT MY
BRICKS

LIGHT MY
BRICKS