Lighting Kit

Package contents:

- 6 x 15cm White Dot Lights
- 2 x 30cm White Dot Lights
- 2 x 15cm Connecting Cables
- 1 x Warm White Strip Light
- 1 x 6-port Expansion Board
- 1 x 8-port Expansion Board
- 1 x AAA Battery Pack

Note:

Place wires on the surface or under the 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.

OK, Let’s Begin!
Start from the headlights of the car.

Remove the right headlight and the following pieces.

Take a white 30cm dot light, disconnect the round piece.

Thread the connector of the light through the round plate, pull the cable out till the light is facing up. Reconnect the trans round plate, reconnect the headlight.
Remove the following gray brick

Place the dot light in between studs, reconnect the brick to secure the light
Reconnect the blue piece

Take another white 30cm dot light
Repeat the previous steps to connect the headlight at the left side.

Remove the gray bar from the front of the car.

Thread the 2 cables of the lights through the following space, pull the cables out from the passenger seat.

Take a 6-port Expansion Board, a 15cm connecting cable, assemble them as per below, stick an adhesive square to the back of the expansion board.
Connect the cables of lights to the 6-port Expansion Board.

Connect the expansion board to the battery pack to verify the current.

Take a 15cm connecting cable, a warm white strip light, a 1x6 baseplate. Assemble them as per below.
Connect the 15cm connecting cable from the expansion board to the strip light.

Stick the strip light to the roof underneath. Note: thread the spare end of the 15cm connecting cables though the cab.

Turn the car to its back, open the boot, put down the seats at the back, pull the 15cm connecting cable though the boot, pull it out.
Take the 8-port Expansion Board. Stick adhesive squares to both sides. Connect the 15cm connecting cable to it.

Now, we’ll move onto installing lights for the back of the car. Remove the following pieces...
Take 3 white 15cm dot lights

Disconnect the taillights as per below

Take a dot light, with lighting part facing up, secure it by connecting the red plate over. Note: place the cable as per below
Repeat the steps above to install the remaining 2 dot lights.

Reconnect the taillights, group the 3 cables together.
Connect the cables to the 8-port Expansion Board, tuck excess cables around the expansion board.

Turn the power on to test if all lights are working OK.

Take 3 white 15cm dot lights. Repeat the previous steps to connect the taillights at the other side.
Connect the cables to the 8-port expansion board, tuck excess cable around the expansion board. Reconnect the back of the car.

Take the AAA battery pack, inserted with batteries, connect it to the 6-port expansion board inside the cab.

Lift the roof, with switch facing outside, place the battery pack inside the car.
Tuck excess cable around the expansion board, stick the expansion board with adhesive square

This completes installation of this LED Lighting Kit. ENJOY!