Lighting Kit

Package contents:

- 8 x 15cm White Dot Lights
- 4 x 30cm White Dot Lights
- 3 x 15cm Connecting Cables
- 1 x 30cm Connecting Cables
- 1 x Warm White Strip Light
- 2 x Blue Strip Lights
- 1 x 6-port Expansion Boards
- 1 x 12-port Expansion Boards
- 1 x AAA Battery Pack

Note:

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

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

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

**Connecting cable connectors to Strip Lights**

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

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

Remove the headlights from the right side of the car, remove the following pieces

Take a white 30cm dot light, a trans blue 1x1 round plate
Disconnect the trans round plate from the blue pieces. Thread the connector through the hole on the blue piece, pull the cable till the lighting part is facing up. Secure it by connecting the trans blue round plate over

Reconnect the blue piece and the gray piece back to the head of the car. Pull the cable upward
Take a white 30cm dot light, disconnect the round plate.

Thread the connector of the light through the round plate as per below. Pull the cable till the lighting part is facing up. Reconnect the trans piece, reconnect the headlight.
Remove the following gray brick

Place the cable underneath in between studs, reconnect the pieces we removed earlier to secure the cable

Reconnect the blue brick
Take 2 white 30cm dot lights, a blue 1x1 round plate

Turn the car to the other side, repeat the steps above to install the other headlight

Remove the gray bar from the front of the car
Thread the cables of the lights through the following gap, pull them out from the cab

Take a 6-port expansion board, a 15cm connecting cables, assemble them as per below. Stick an adhesive square to the back of the expansion board

Connect the cables of the lights to the expansion board
Turn the power on to test the current.

Take a 15cm connecting cable, a warm white strip light, a 1x6 baseplate. Assemble them as per below.

Connect the spare end of the 15cm connecting cable from the expansion board to the strip light.
Connect the strip light to the roof. Note: pull the 15cm connecting cable out from the side with passenger seat.

Take a blue strip light, a 15cm connecting cable, assemble them as per below. Connect the 15cm connecting cable we pull out from the last step to the strip.

Turn the car over, remove the following gray piece and the gray piece.
Pull the 15cm connecting cable from the cab to the bottom of the car, secure the light in between studs underneath before reconnecting the gray piece and the black piece.

Stick the strip light to the following position, tuck excess cable inside the black technic piece.

Thread the 15cm connecting cable from the strip light through the hole on the black technic piece, and pull it out from the other side of the car.
Take another blue strip light, a 30cm connecting cable, assemble them as per blow

Connect the 15cm connecting cable to the strip light, stick the strip light to the following place
Turn the car over to the other side, remove the tire

Thread the connector of the 30cm connecting cable through the space underneath the wheel into the boot, pull it out from the boot

Reconnect the tire
Turn to the back of the car to install the taillights.

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 blue plate over. Note: place the cable as per below.

Repeat the previous steps to install the remaining 2 dot lights.
Reconnect the taillights, group the 3 cables together

Remove the round plate underneath the taillights

Take a white 15cm dot light, a 1x1 trans blue round plate, a black round plate with a hole.
Thread the connector through the hole on the black piece, pull the cable till the light is facing up, secure it with the blue round plate.

Connect the round plate to the following place, with cable upward, reconnect he gray baseplate to secure it.
Reconnect the bigger taillights

Similarly, take 4 white 15cm dot lights, a blue 1x1 round plate, a black round plate with a hole. Repeat the steps above to install taillights to the other side

Take a 12-port expansion boar, stick adhesive squares to both sides
Connect the cables of the 8 taillights and the 30cm connecting cable from the boot to the 12-port expansion board. Tuck excess cables around the expansion board, stick the expansion board inside the boot. Note: don’t left excess cable

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 the switch facing outside, place the battery pack inside the car.

Tuck excess cable around the expansion board. Stick the expansion board with adhesive squares.
This completes installation of this LED Lighting Kit. ENJOY!