LIGHT MY BRICKS

LEGO® ALPINE LODGE #10325 LIGHT KIT

INSTALLATION GUIDE

Light My Bricks

LEGO® ALPINE LODGE 10325
INSTALLATION GUIDE

Hi There!

We're here to help you get started on the LEGO®

Alpine Lodge 10325 Light Kit.

This PDF details the instructions for the LED light kit only. If you are wishing to purchase this product, please click here to view the product page.

If you run into any issues, please refer to the troubleshooting section towards the end of this guide.

Have fun and enjoy!

PACKAGE CONTENTS:

Individual Bags

- 4x Green 30cm Bit Light
- 3x Red 30cm Bit Light
- 1x Light Blue 30cm Large Bit Light
- 1x Orange 30cm Large Bit Light
- 4x White 15cm Bit Light
- 2x Warm White 15cm Large Bit Light
- 9x Flashing White 15cm Micro Bit Light *
- 3x Warm White Strip Light

Connecting Cables

2x 5cm Connecting Cable
3x 15cm Connecting Cable
2x 30cm Connecting Cable

USB Power Cable

1x USB Power Cable
(Power Source not Included)

Mixed Components 1

2x 4-Port Micro Expansion Board
1x 6-Port Expansion Board
2x 8-Port Expansion Board
8x Adhesive Square

Mixed Components 2

1x Brick 2x2 - Dark Grey
1x Brick 1x2 - Black

Mixed Components 3

2x Plate, Round 2x2 with Rounded Bottom (Boat Stud) - Trans-Clear
1x Bracket 1x1-1x1 Inverted - Black
3x Cone 1x1 Inverted with Bar - Black
2x Plate, Round 1x1 with Bar Handle - Black
2x Tile, Modified 1x1 with Open O Clip - Black

* Indicates components which include spares

PACKAGE CONTENTS:

Mixed Components 4

1x Plate, Round 1x1 – Trans Red
1x Plate, Round 1x1 – Trans Yellow
1x Plate, Round 1x1 – Trans Light Green
1x Plate, Round 1x1 – Trans Dark Green
1x Plate, Round 1x1 – Trans Light Blue
1x Plate, Round 1x1 – Trans Dark Blue
1x Plate, Round 1x1 – Trans Purple
1x Plate, Round 1x1 – Trans Pink
4x Plate, Round 1x1 – Lime
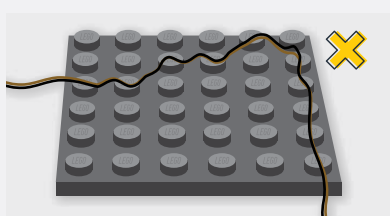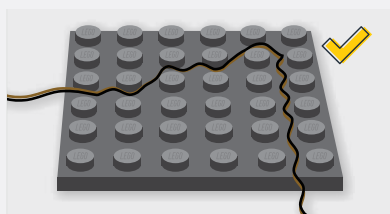3x Plate, Round 1x1 – Red

Mixed Components 5

3x Plate 1x6 – Dark Grey
1x Plate 2x8 – Black

Contents

Before You Begin

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.
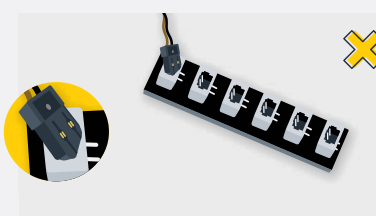
Connecting Cable Connectors To Expansion Boards

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

Before You Begin
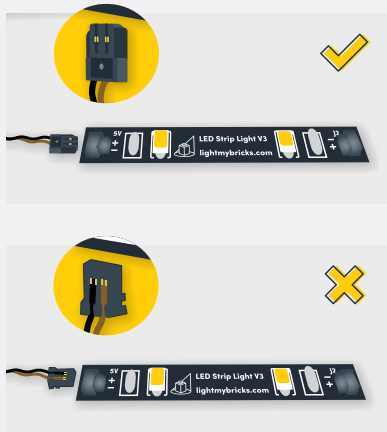
Connecting Cable Connectors To Strip Lights

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.
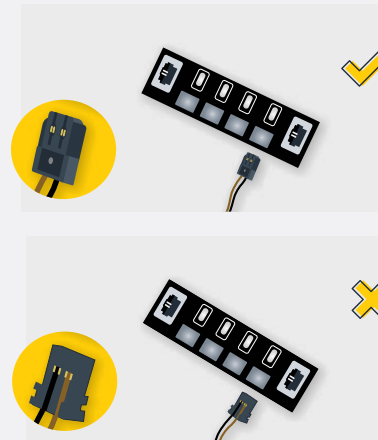
Connecting Micro Cable Connectors To Micro Expansion Board Ports

Take extra care when inserting the micro connectors to micro ports of Micro Expansion Boards. Connecting Micro Bit Lights to Micro Expansion Boards is similar to connecting lights and cables to Strip Lights. With the expansion board 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, do not force it. Use your fingernail to push the plastic part of the connector to the micro port.

Before You Begin

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.
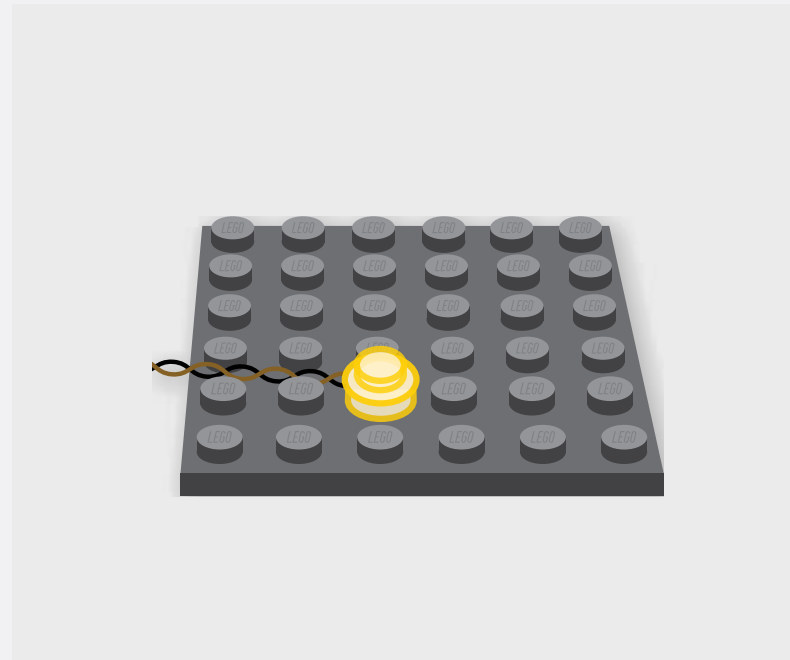
Before You Begin

The Symbols Used In This Guide

When going through the following guide you will come across symbols and formats that will assist with the installation of your light kit. Take notice of them as each has a specific purpose.

Light Kit Component

This is the most important image format as it indicates which part to use from the Light Kit. Make sure you pay close attention to which part is shown.

White 30cm Bit Light

Connect

Used when you need to connect a LEGO piece or LMB component.

Disconnect

Used when you need to remove a LEGO piece/ section or LMB component.

Directional

Used to show where to route cables, place components, or move them.

Bend/Pivot

Used when a component needs to be bent, or part folded or pivoted.

Turn/ Flip

Will be found in the top left corner when the set needs to be rotated or flipped.

Twist/ Braid

Seen when a set of cables need to be grouped and twisted together.

Power On Test

Found at the end of a major step to test the lights. Will be located in the top left corner.

Note

Notes will be found alongside the instruction photos and explain what to do.

Before You Begin

Repeat Step

Repeat the previous step eg. Make a spotlight, then make a second spotlight.

x2

Connect Focus

Used to highlight a hard to see area where a component is being connected.

Disconnect Focus

Used to highlight a hard to see area where a component is being disconnected.

General Focus

Used to highlight a hard to see area where a component needs to be acted on.

General Note

This is a sample note that is used anywhere in this guide. It will explain a difficult section where photos are hard to illustrate or easily confused.

Connect Note

The green coloured note is used when the topic focuses on a component being connected, like the shown Power Bank.

Disconnect Note

The red coloured note is used when the topic focuses on a component being disconnected or like here, the removed pieces.

NOTE

Take the 5cm Connecting Cable from the 4-Port Micro Expansion Board and route it into the "IN" port of the Flicker Effects Board
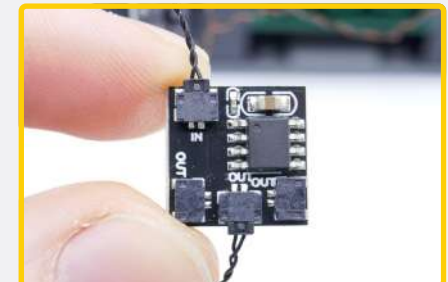
NOTE

Connect to a 5V USB Power Bank, 5V USB Wall Adaptor, or USB to AA Battery Pack (sold separately)

NOTE

You should have these parts left over that were removed from the LEGO set

Removed Pieces
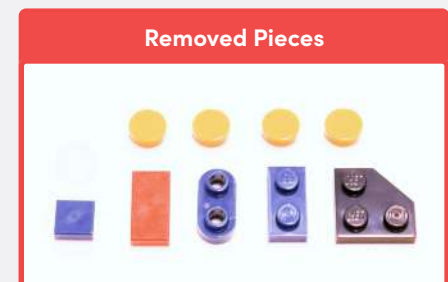
BLUEPRINT

Top Floor and Roof

8-Port Expansion Board

30cm Connecting Cable

(Red Wreath)
3x Red 30cm Bit Light

(Green Wreath)
4x Green 30cm Bit Light

15cm Connecting Cable

Warm White Strip Light

8-Port Expansion Board

15cm Connecting Cable

Orange 30cm Large Bit Light
(Fireplace)

White 15cm Bit Light
(Outhouse)

White 15cm Bit Light
(Top Floor Ceiling)

White 15cm Bit Light
(Top Floor Ceiling)

White 15cm Bit Light
(Candle)

Bottom Floor

6-Port Expansion Board

Light Blue 30cm Large Bit Light
(Lake)

15cm Connecting Cable

30cm Connecting Cable

2x Warm White Strip Light
(Bottom Floor Ceiling)

4-Port Micro Expansion Board

5cm Connecting Cable

4-Port Micro Expansion Board

2x White 15cm Bit Light
(Lanterns)

8x Flashing White 15cm Micro Bit Light
(Tree)

USB Power Cable

5cm Connecting Cable

INSTRUCTIONS

To ensure a smooth 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.

1

2
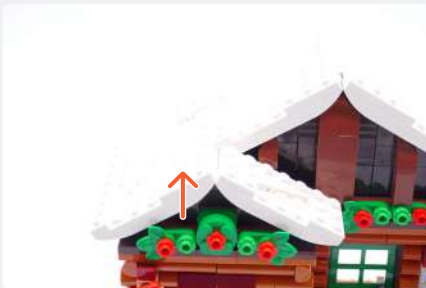
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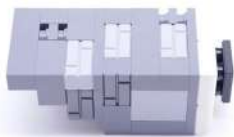
4

NOTE

Use the LEGO Brick Separator Tool to help remove bricks and sections during this guide.

5

30cm Connecting Cable

6

7

8

White 15cm Bit Light

x2

Cone 1x1 Inverted with Bar – Black

9

LIGHT MY BRICKS

10
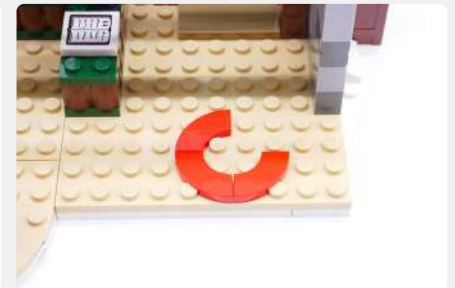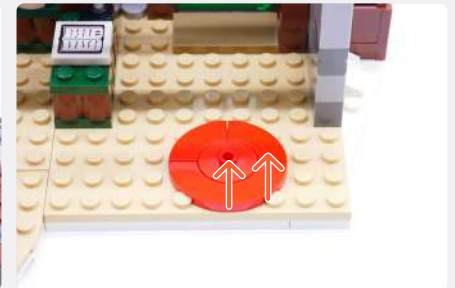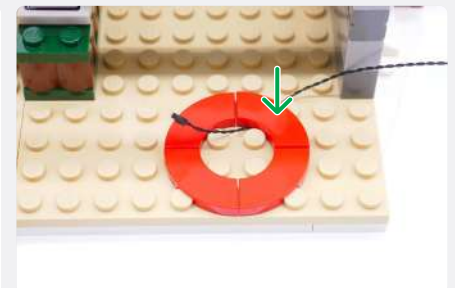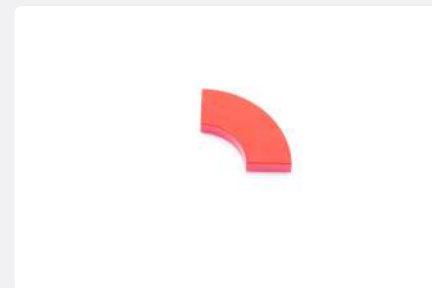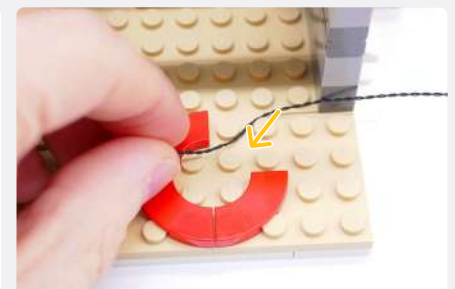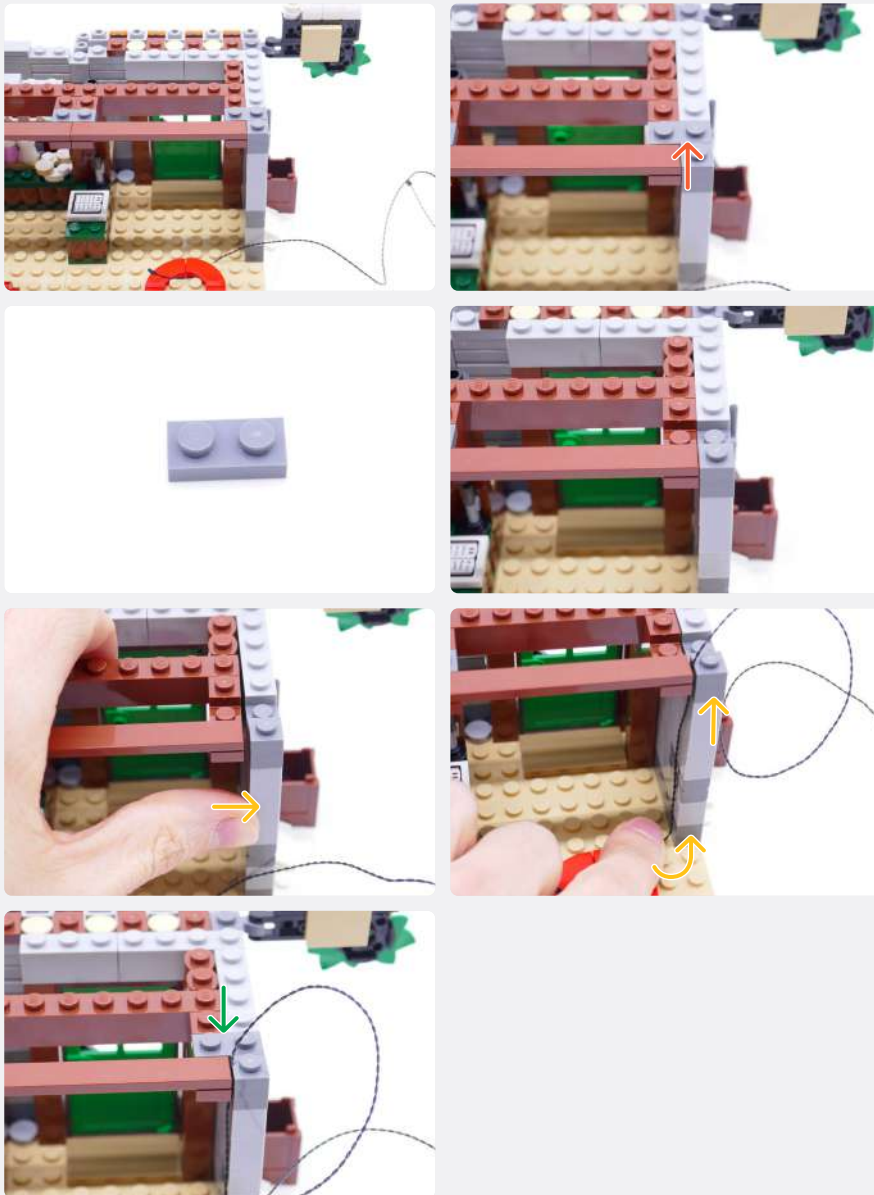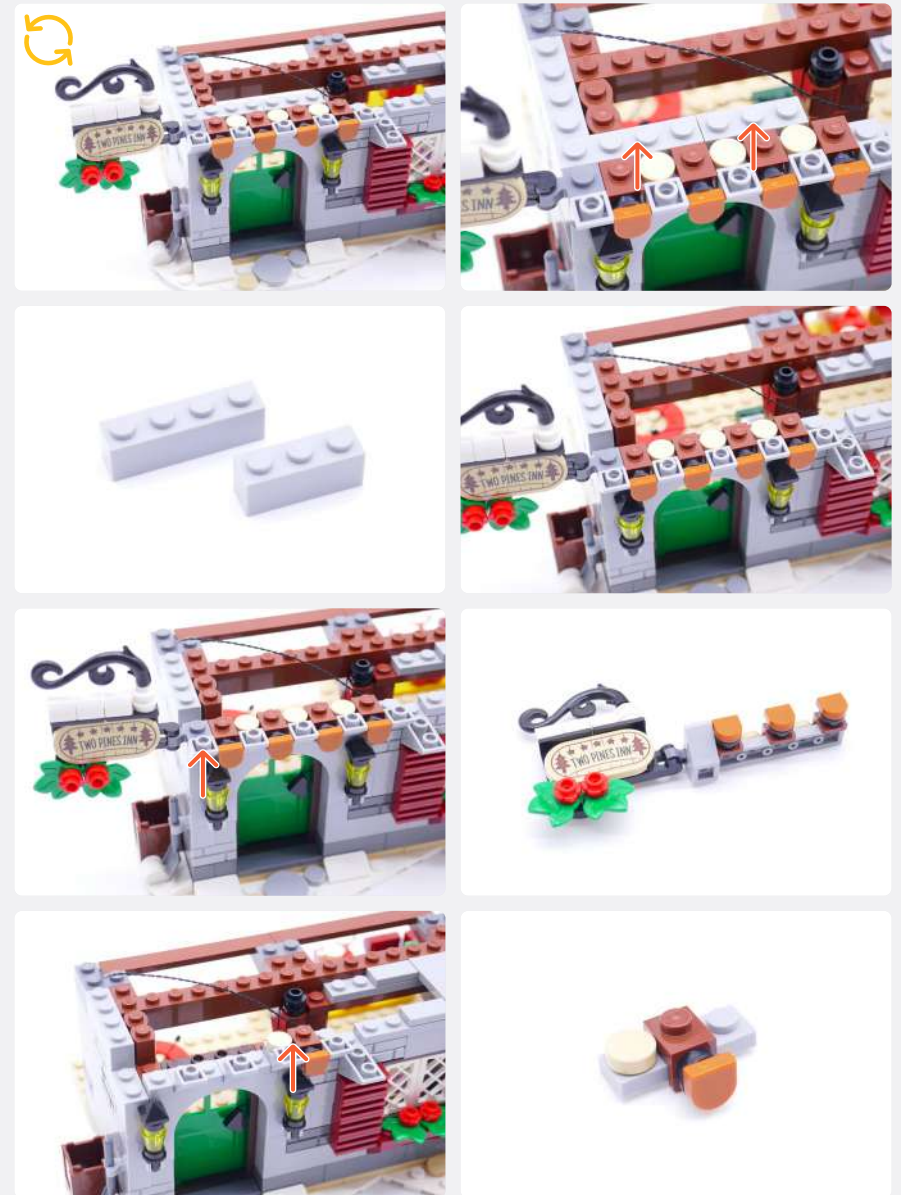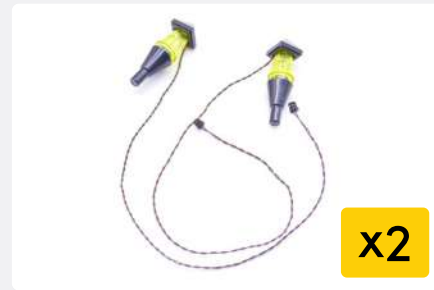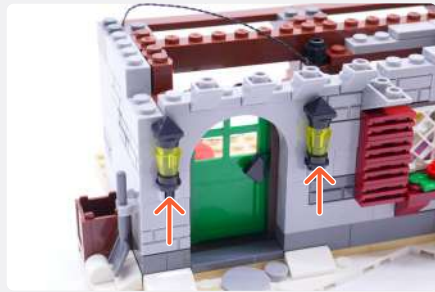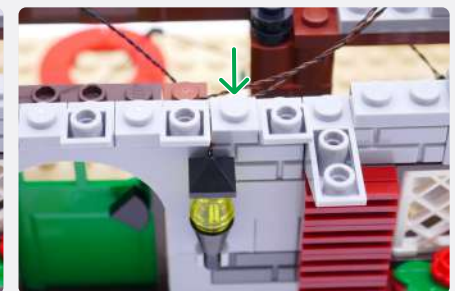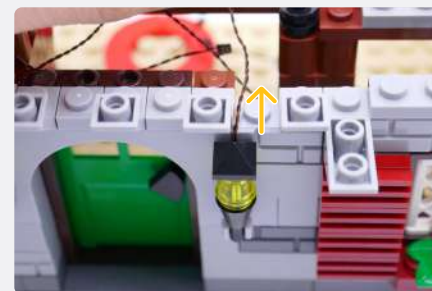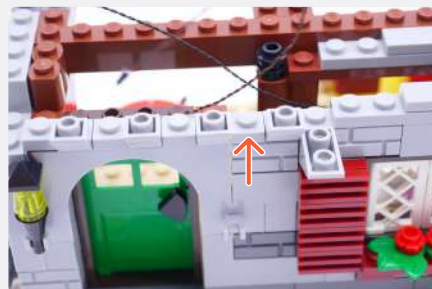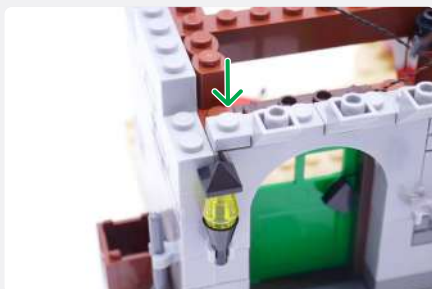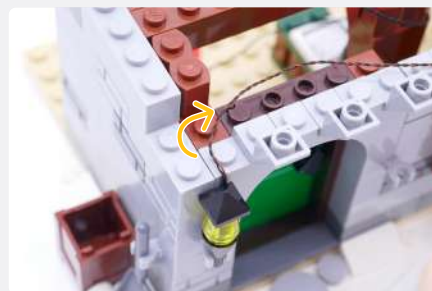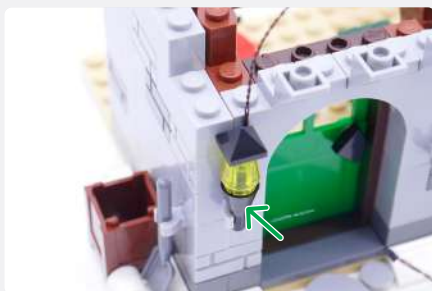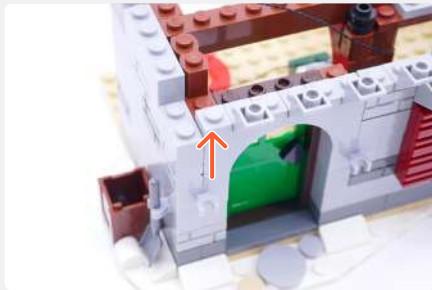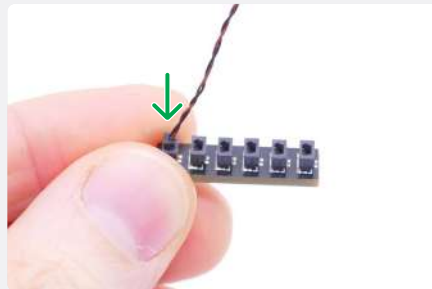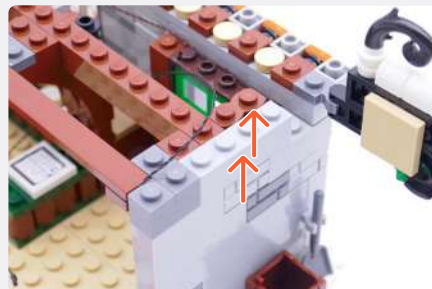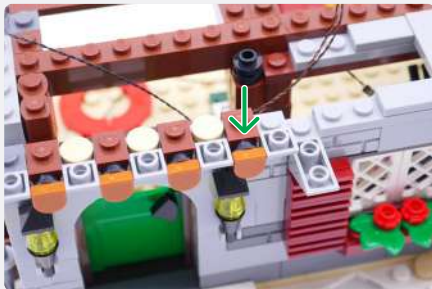
NOTE

Hold the Expansion Board in the indicated position when running the cable under the bricks.

11

12
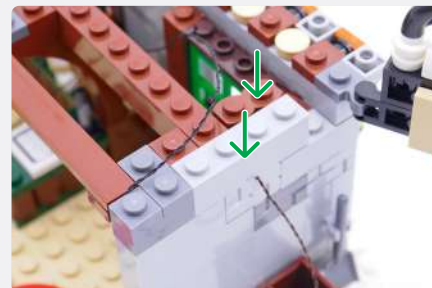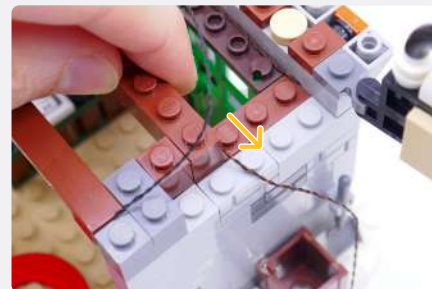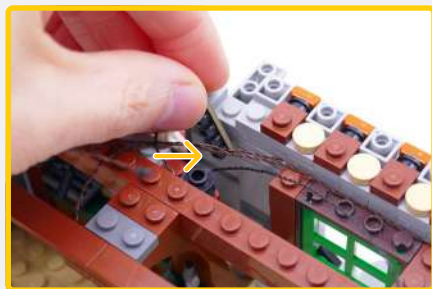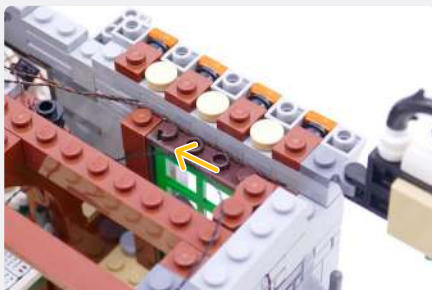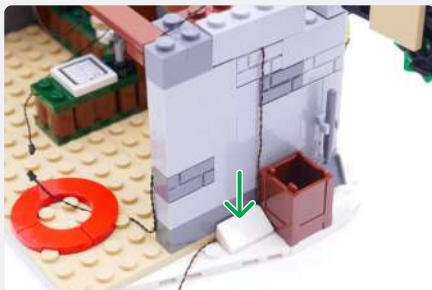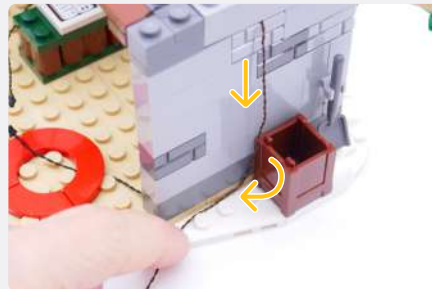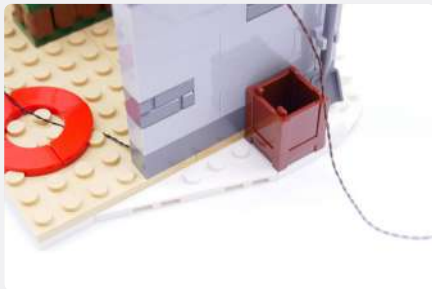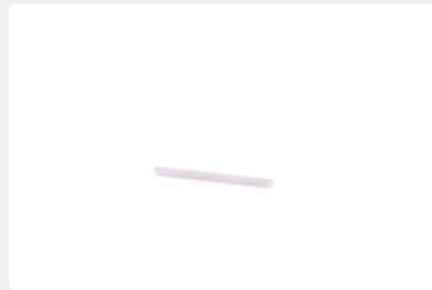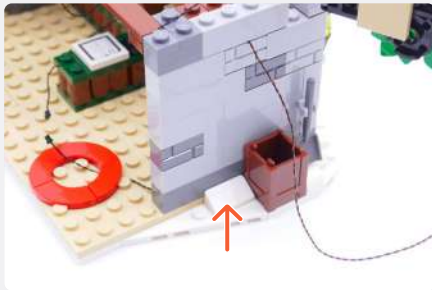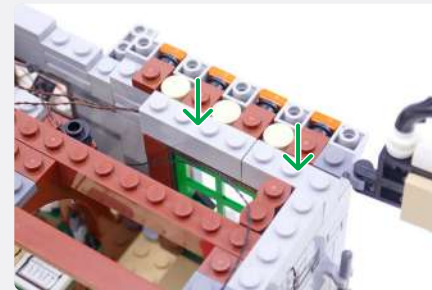
Take the 3x Plate, Round 1x1 Open Stud – Black that were previously removed from the lanterns.

Light Blue 30cm Large Bit Light
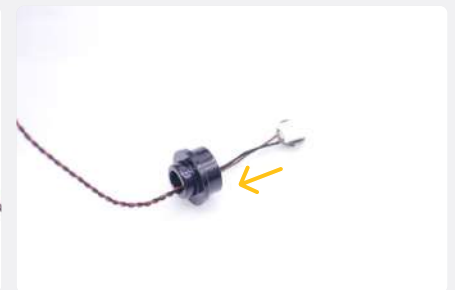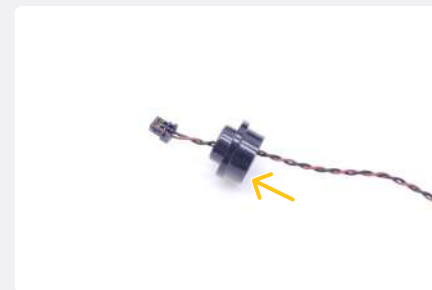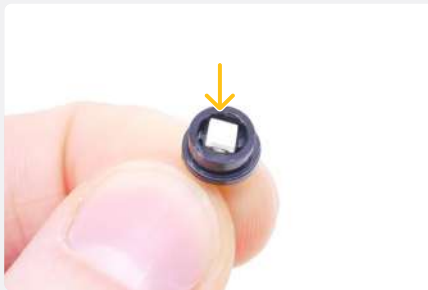
Tile, Modified 1x1 with Open O Clip - Black

Plate, Round 1x1 with Bar Handle - Black

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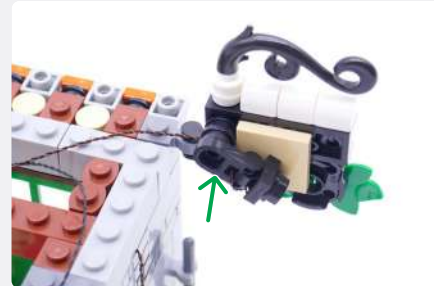
NOTE

Connect all of the loose cables into the same 6-Port Expansion Board as the USB Power Cable.

15cm Connecting Cable

2x Adhesive Square
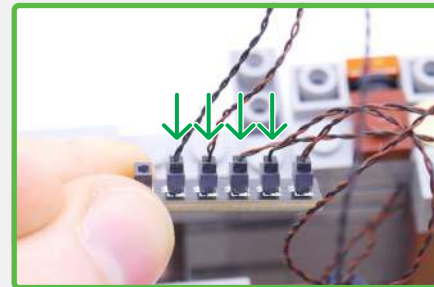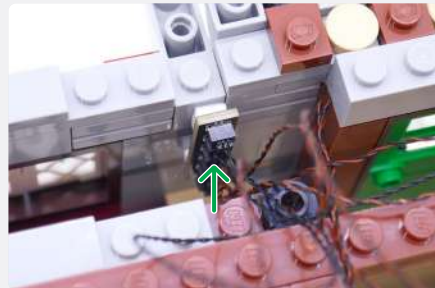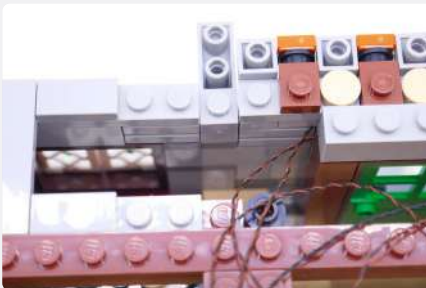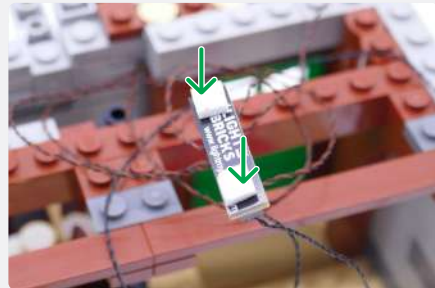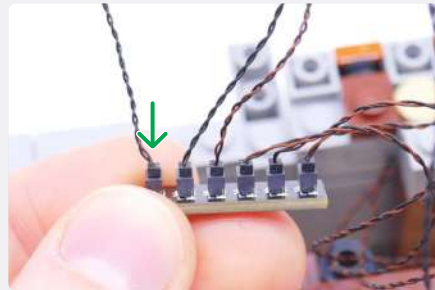
NOTE

Exclude the 15cm Connecting Cable from twisting and hiding the cables.
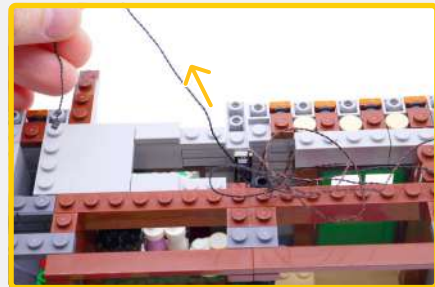
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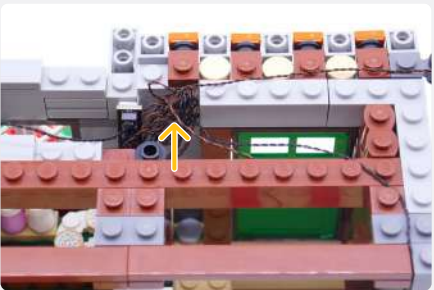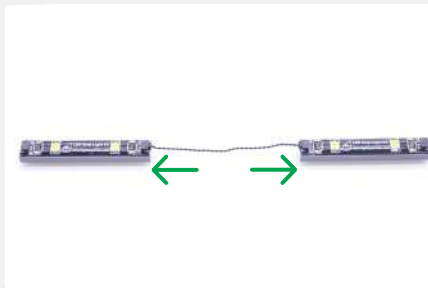
Warm White Strip Light

Plate 1x6 - Dark Bluish Gray

5cm Connecting Cable

x2

LIGHT MY BRICKS

15cm Connecting Cable

15
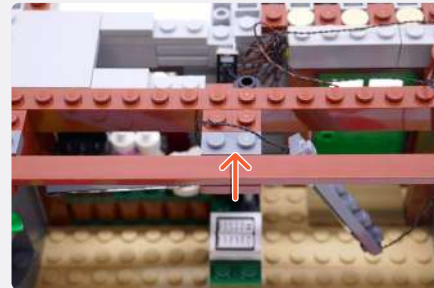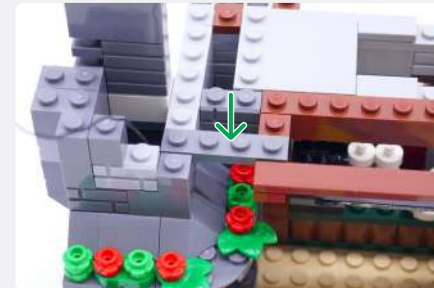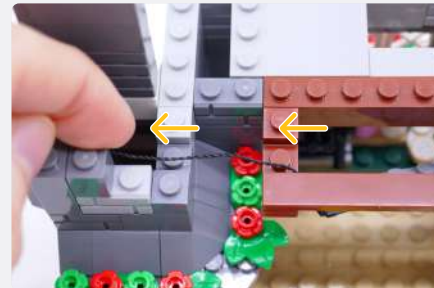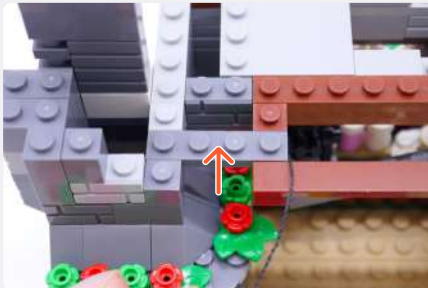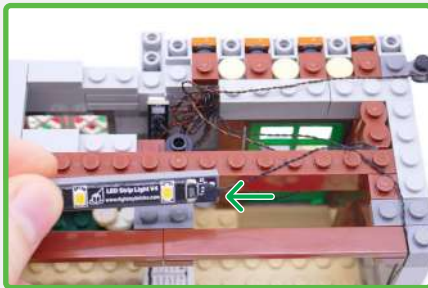
Lightly pull the 15cm Connecting Cable connected to the Strip Light towards the Expansion Board. Then twist the cables.
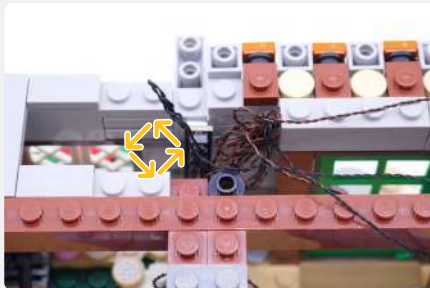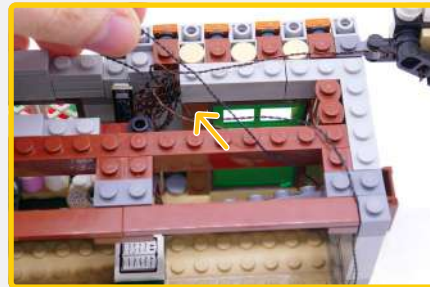
NOTE

Ensure all of the cables are running between the studs and NOT on top when placing the top floor back on.
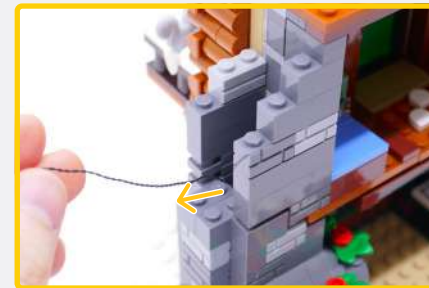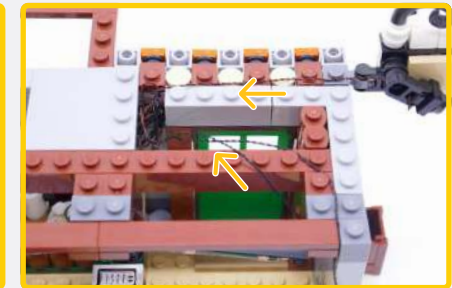
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NOTE

Connect the Strip Lights to the ceiling. Take care not to squish the cables and ends.
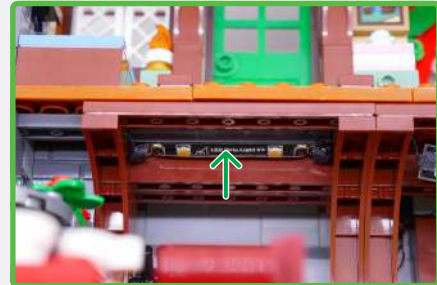
NOTE

Connect to a 5V USB Power Bank, 5V USB Wall Adaptor, or USB to AA Battery Pack (sold separately)

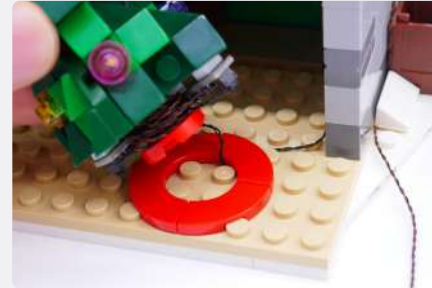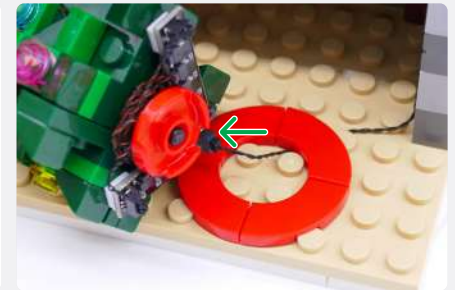! If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light or expansion board). To correct any issues with expansion board ports, please view the section addressing expansion board issues in our troubleshooting section. ¡
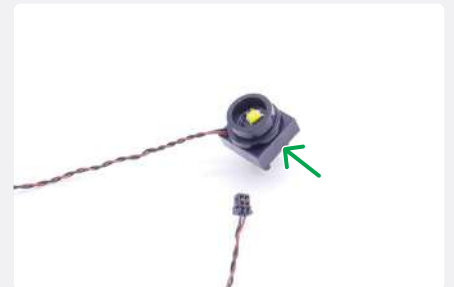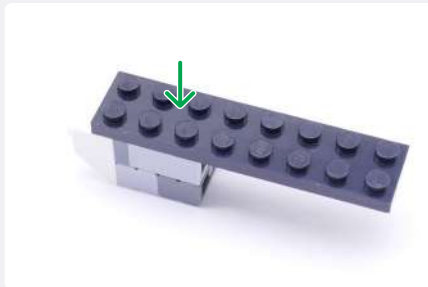
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Flashing White 15cm Micro Bit Light
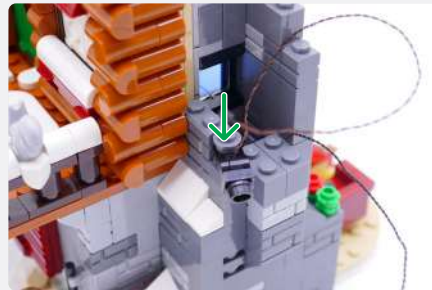

Plate, Round 1x1 - Trans-Light Blue

Flashing White 15cm Micro Bit Light
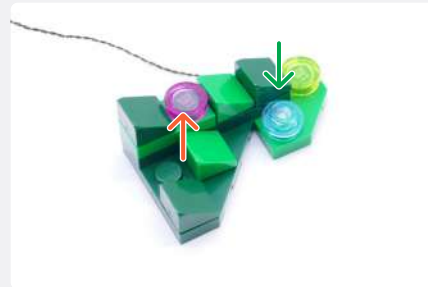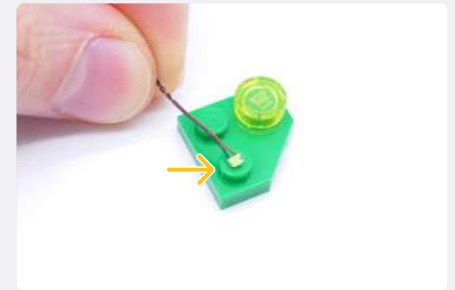
Plate, Round 1x1 - Trans-Pink

18

Flashing White 15cm Micro Bit Light

Plate, Round 1x1 - Trans-Bright Green
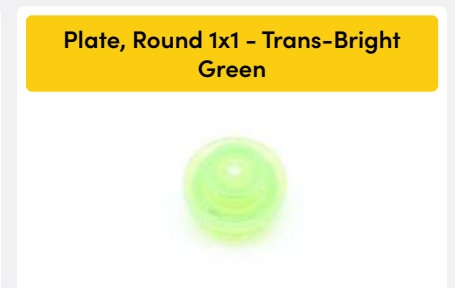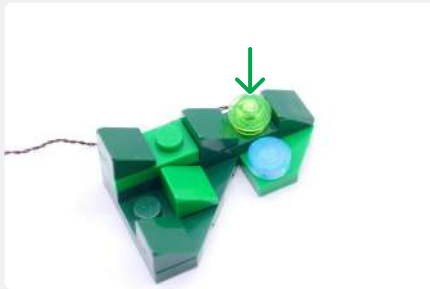
Flashing White 15cm Micro Bit Light
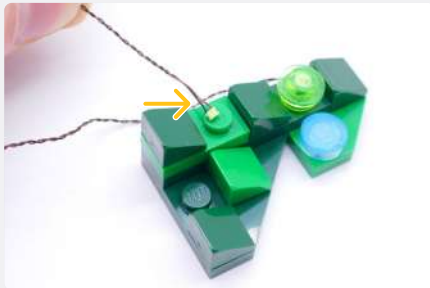
Plate, Round 1x1 - Trans-Purple

19

Flashing White 15cm Micro Bit Light

Plate, Round 1x1 - Trans-Red

20
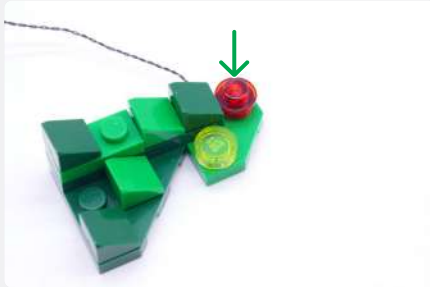
Flashing White 15cm Micro Bit Light

Plate, Round 1x1 - Trans-Dark Blue

Flashing White 15cm Micro Bit Light
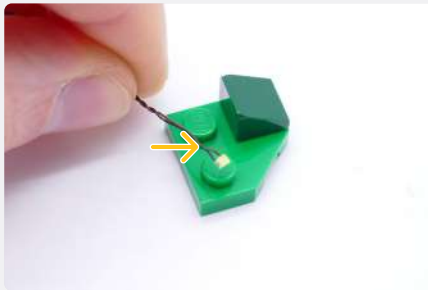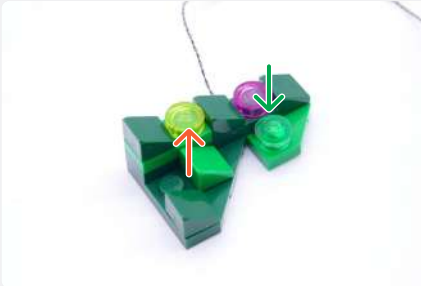
Plate, Round 1x1 - Trans-Dark Green

Flashing White 15cm Micro Bit Light

21

Plate, Round 1x1 - Trans-Yellow

4-Port Micro Expansion Board

4-Port Micro Expansion Board

Cone 1x1 Inverted with Bar - Black

22

5cm Connecting Cable
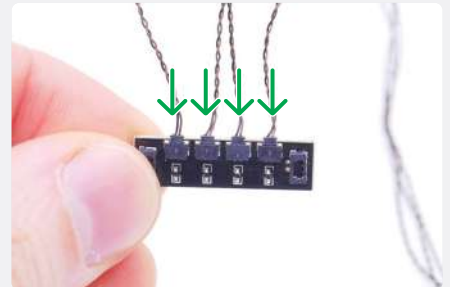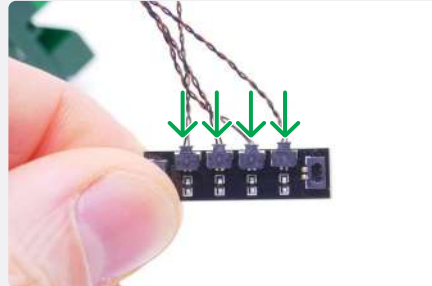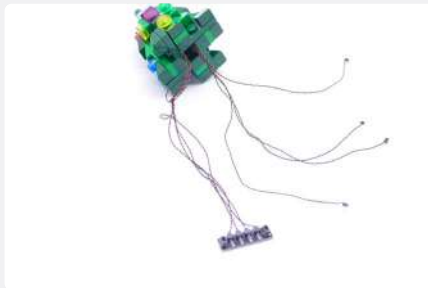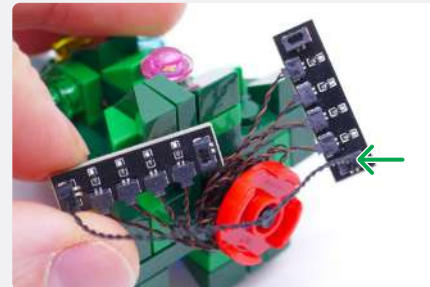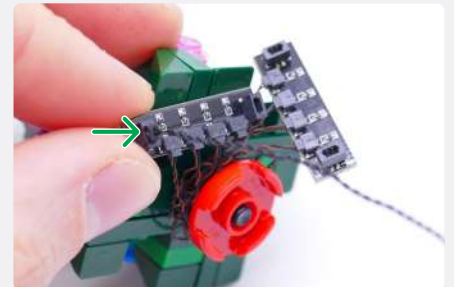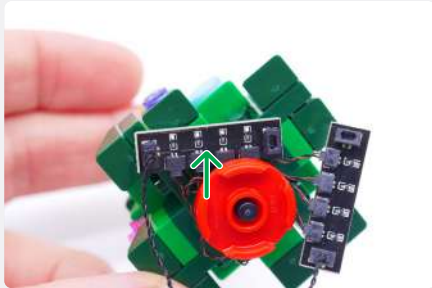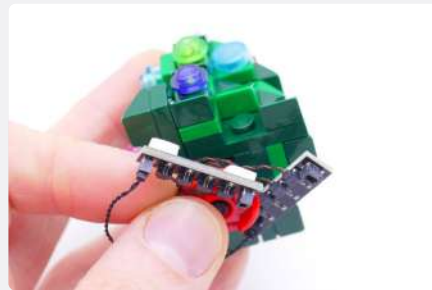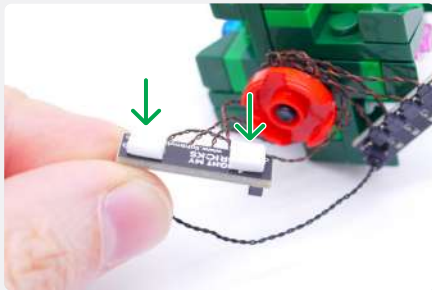
2x Adhesive Square

2x Adhesive Square

23

NOTE

Connect to a 5V USB Power Bank, 5V USB Wall Adaptor, or USB to AA Battery Pack (sold separately)

24

! If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light or expansion board). To correct any issues with expansion board ports, please view the section addressing expansion board issues in our troubleshooting section. i

25
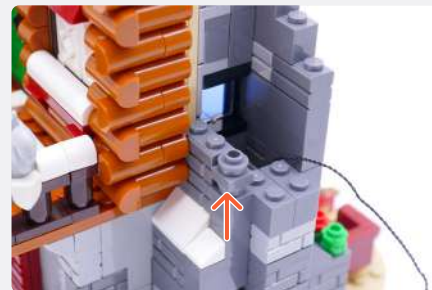
Plate, Round 1x1 with Bar Handle – Black

NOTE

Take the Plate, Round 1x1 Open Stud – Black that was previously removed from the lanterns.

White 15cm Bit Light

Tile, Modified 1x1 with Open O Clip – Black

LIGHT MY BRICKS

26

NOTE

Take the Plate, Round 1x1 Open Stud – Black that was previously removed from the tree.

Plate 2x8 – Black

Bracket 1x1 – 1x1 Inverted – Black

Orange 30cm Large Bit Light
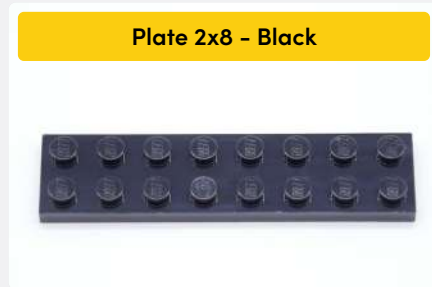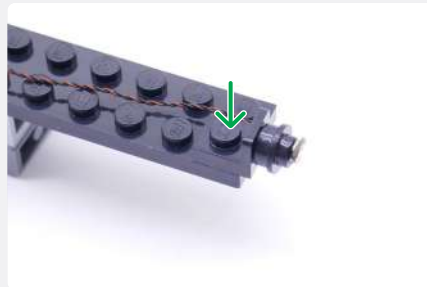
Brick 2x2 - Dark Bluish Gray

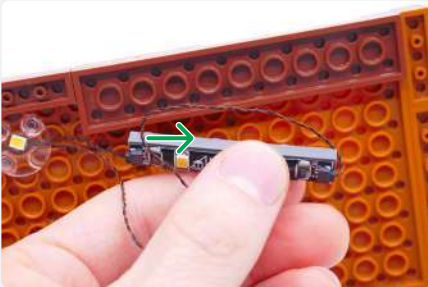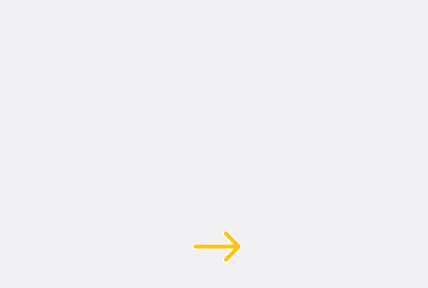**Brick 1x2 - Black**

27
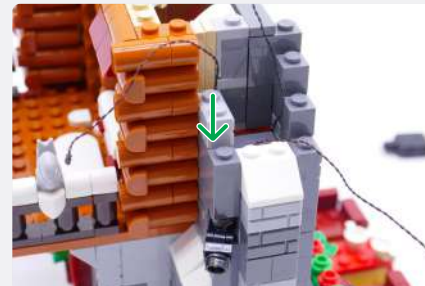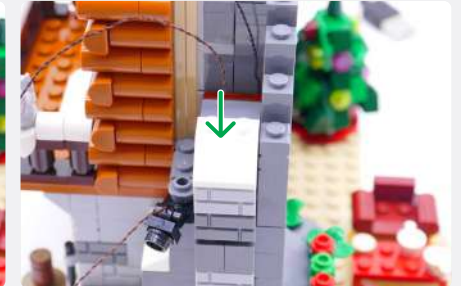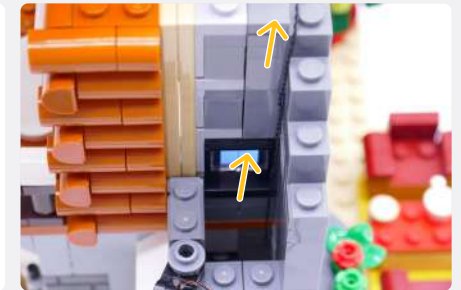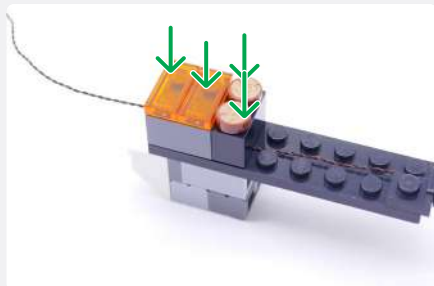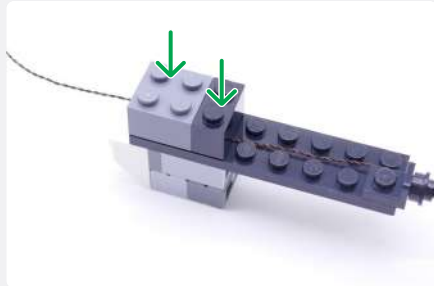
8-Port Expansion Board

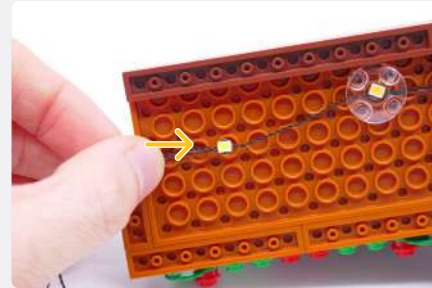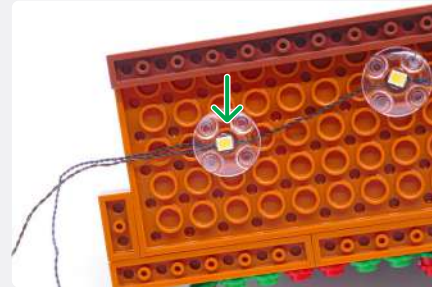### NOTE

Connect all of the loose cables to the 8-Port Expansion Board.

Plate 1x6 - Dark Bluish Gray

Warm White Strip Light

15cm Connecting Cable

Warm White 15cm Large Bit Light

28

29
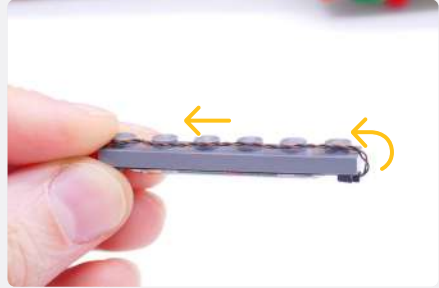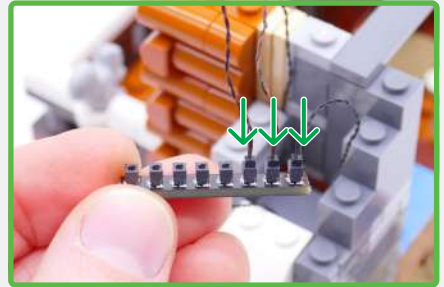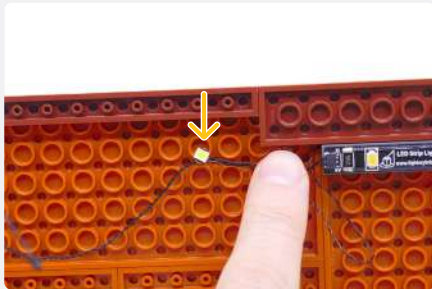
Plate, Round 2x2 with Rounded Bottom (Boat Stud) - Trans-Clear
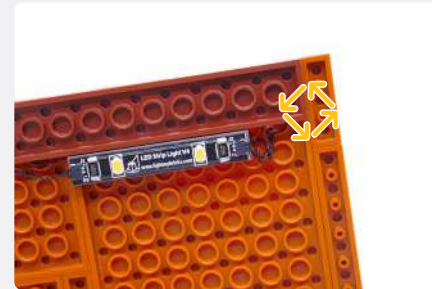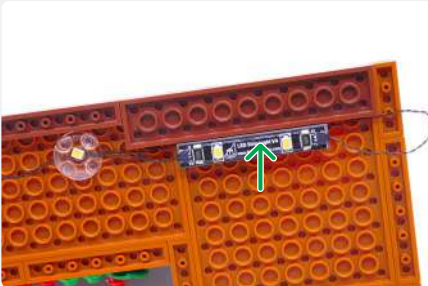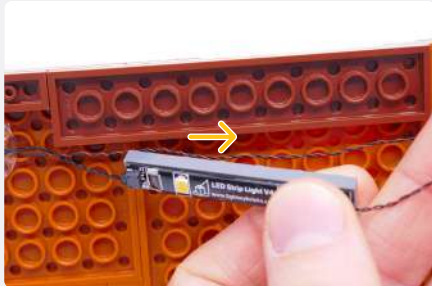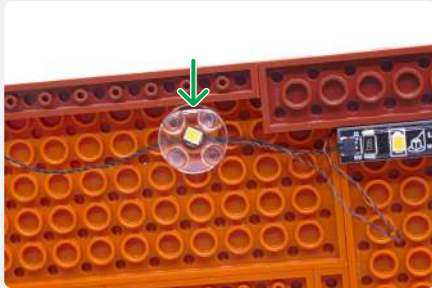
Warm White 15cm Large Bit Light

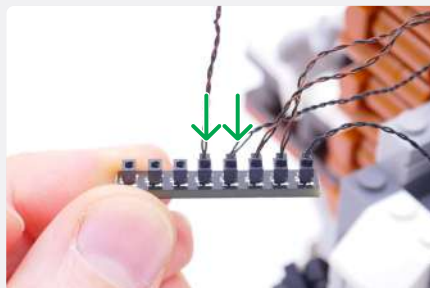**Plate, Round 2x2 with Rounded Bottom (Boat Stud) - Trans-Clear**
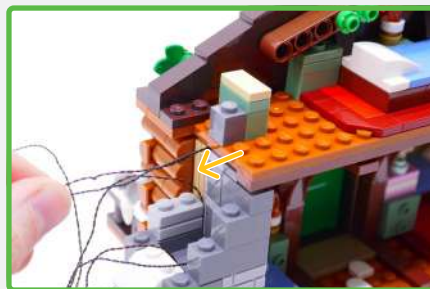
30

NOTE

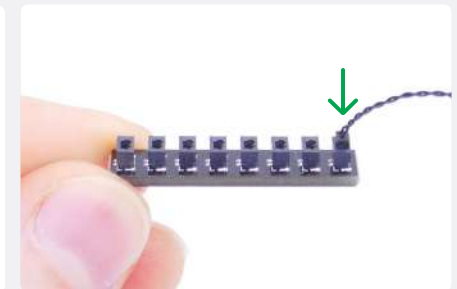Ensure the cables have enough slack as shown before connecting the roof section back on the house.
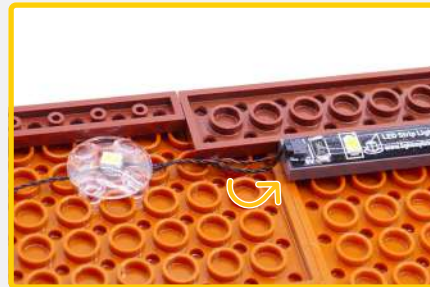
NOTE

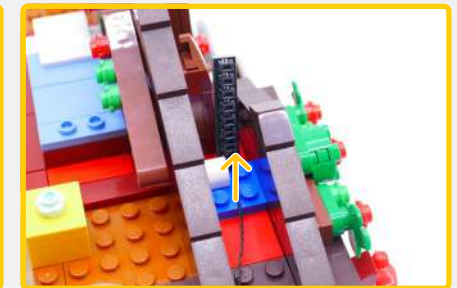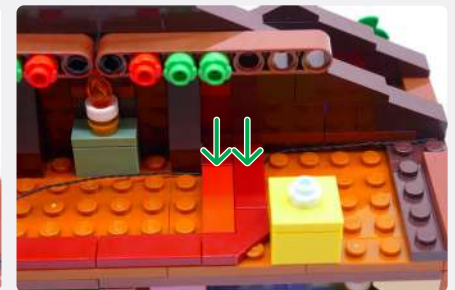Ensure the cables from the ceiling are running out this side and between the studs.
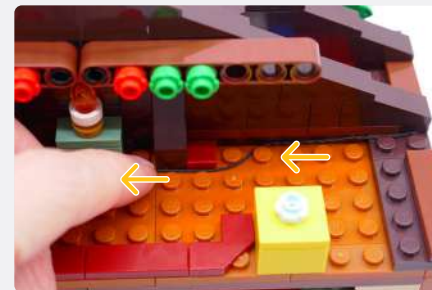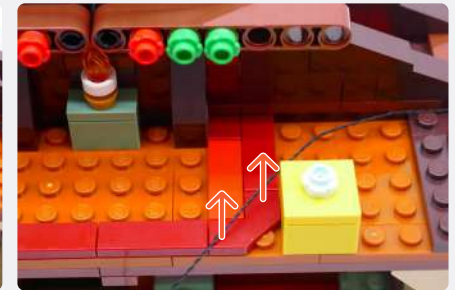
31

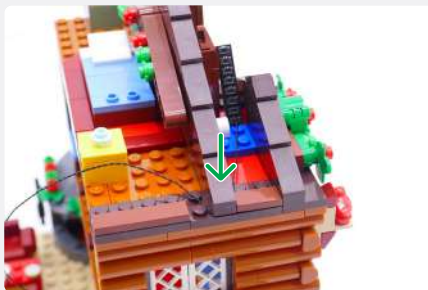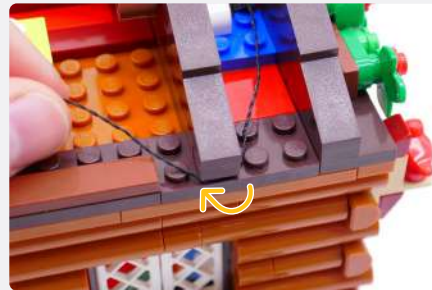**8-Port Expansion Board**

30cm Connecting Cable

NOTE

Place the Expansion Board in the indicated position when routing the cable in the following images.

32

33

34

NOTE

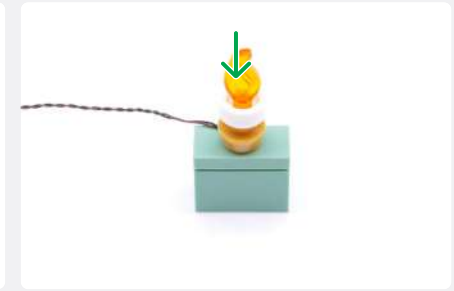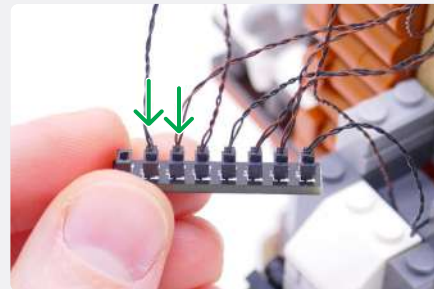Slightly lift the white pin holder and flame piece up to allow for the Bit Light underneath.
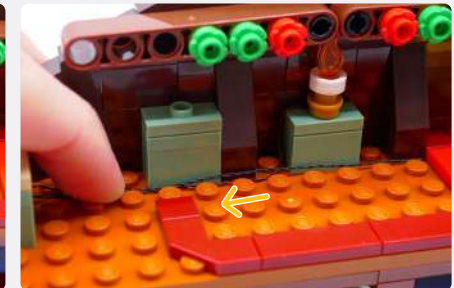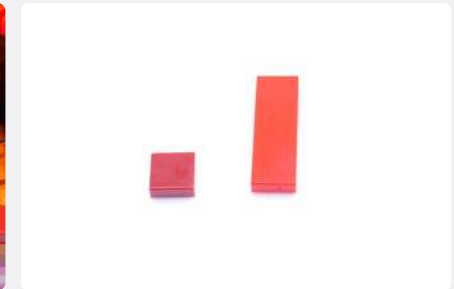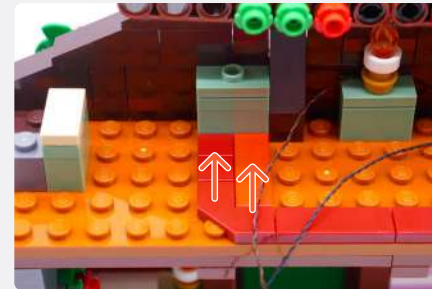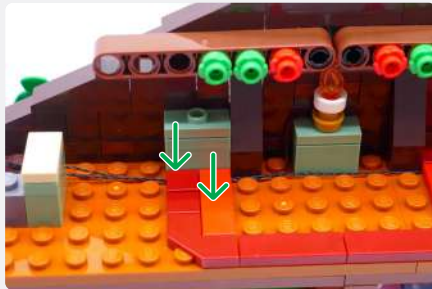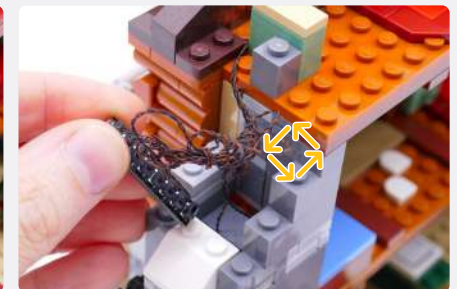
White 15cm Bit Light

35

36

37

LIGHT MY BRICKS

38
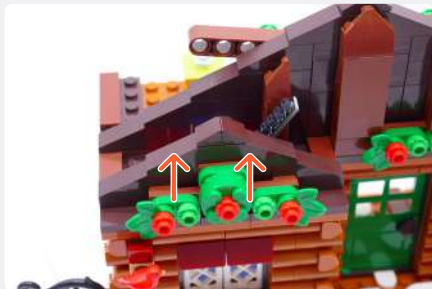
Green 30cm Bit Light
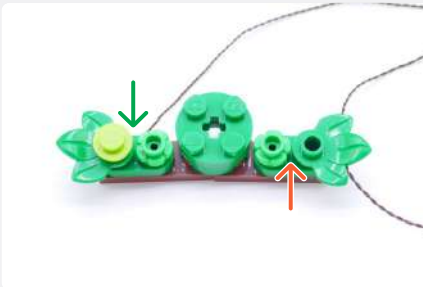
Plate, Round 1x1 - Lime
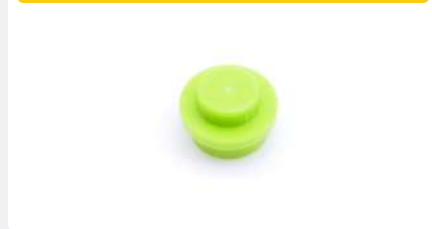
39

Red 30cm Bit Light

Plate, Round 1x1 - Red

40

8-Port Expansion Board

41

DISCONNECT   CONNECT   DIRECTIONAL   BEND / PIVOT   TURN / FLIP   TWIST / BRAID   POWER ON TEST   NOTE ICON
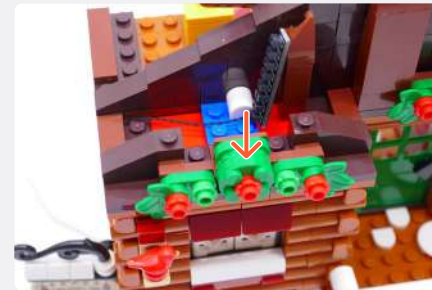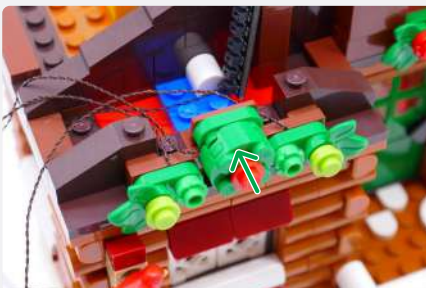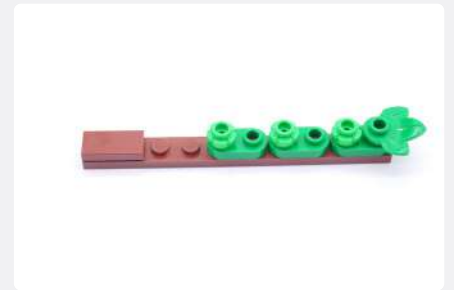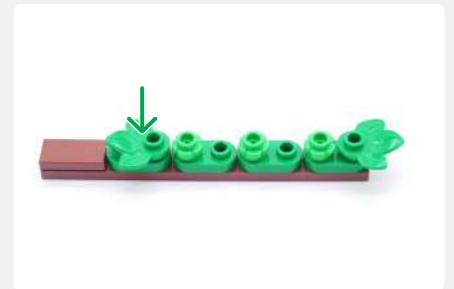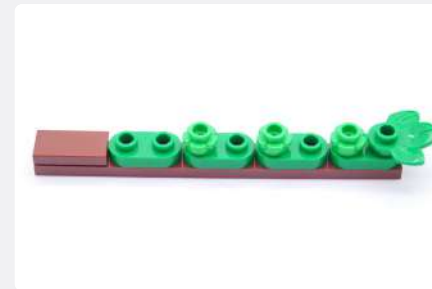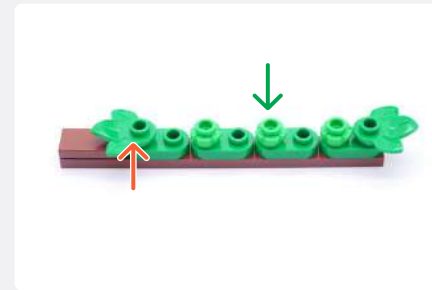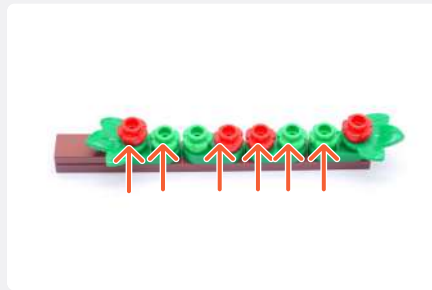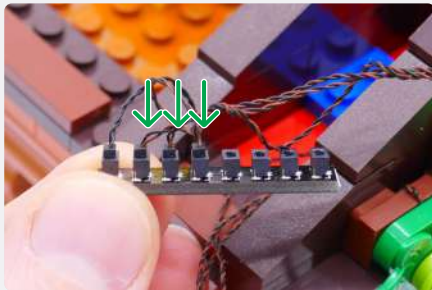
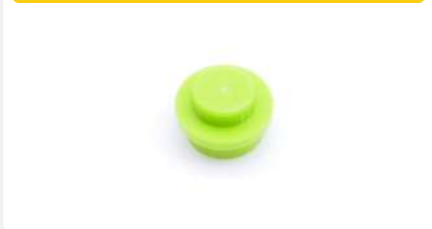**42**

Red 30cm Bit Light

Plate, Round 1x1 – Red

43

Green 30cm Bit Light

Plate, Round 1x1 – Lime

44
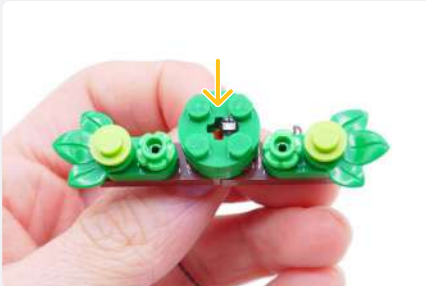

Red 30cm Bit Light

Plate, Round 1x1 - Red

45
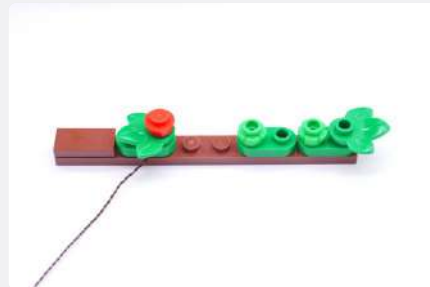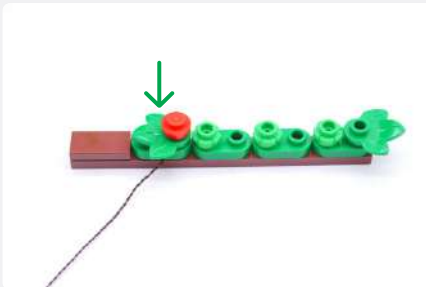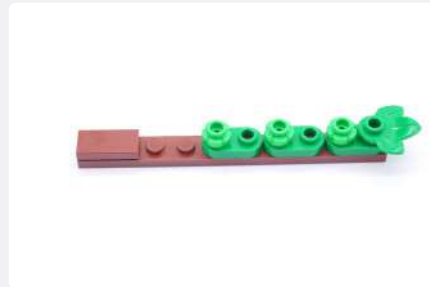
Green 30cm Bit Light

Plate, Round 1x1 - Lime
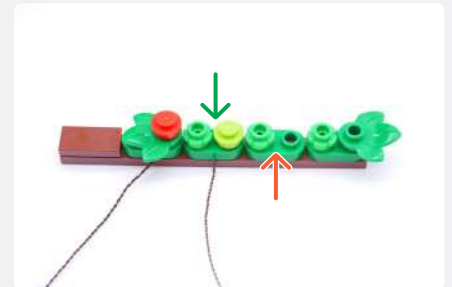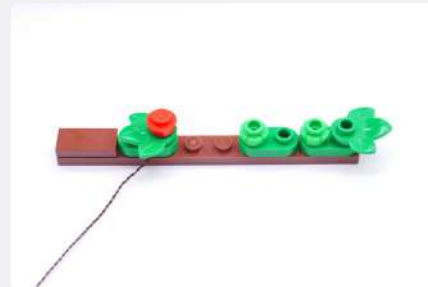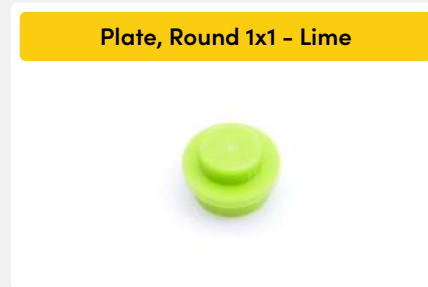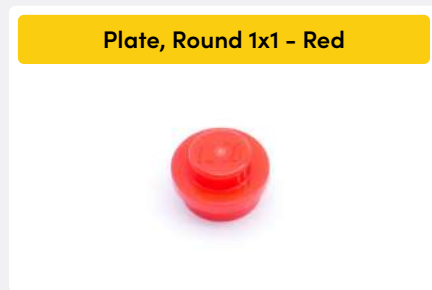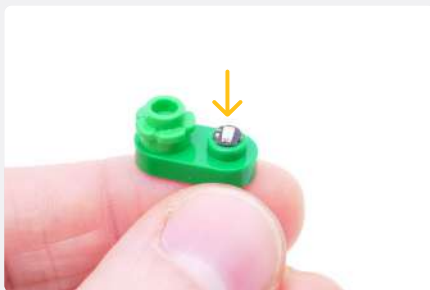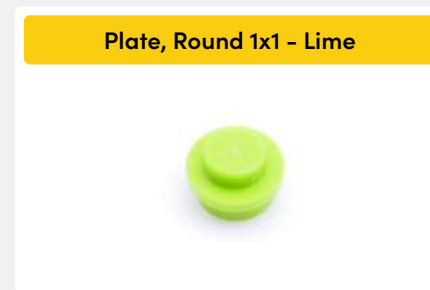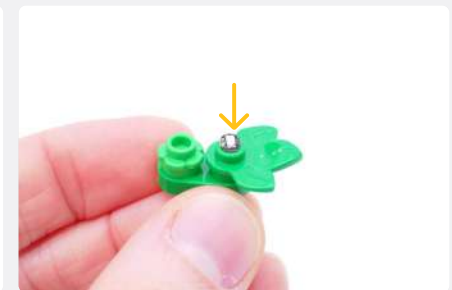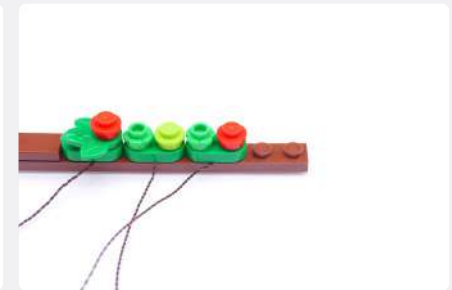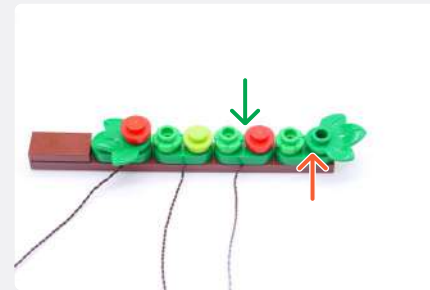
46
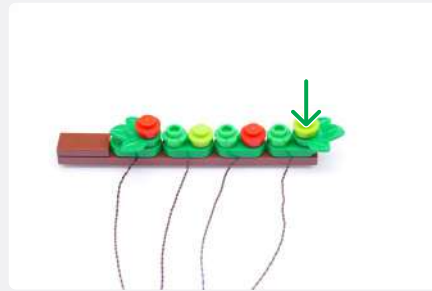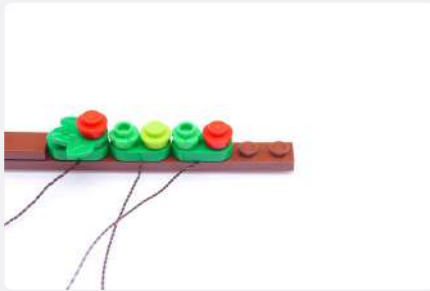
NOTE

Run the wires behind the wreath section when connecting to the house.

47
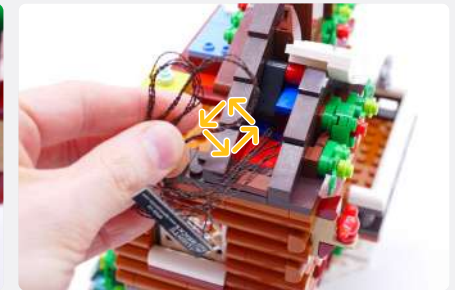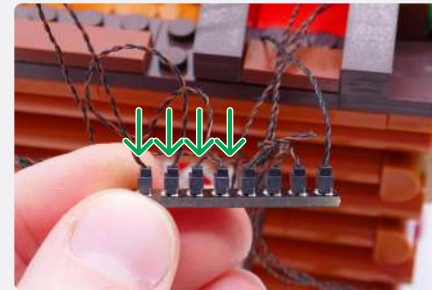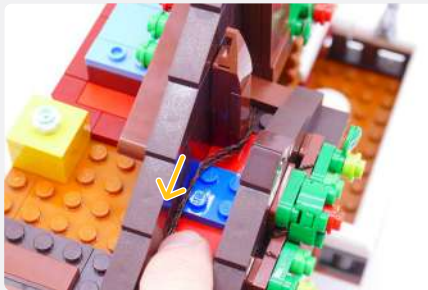
NOTE

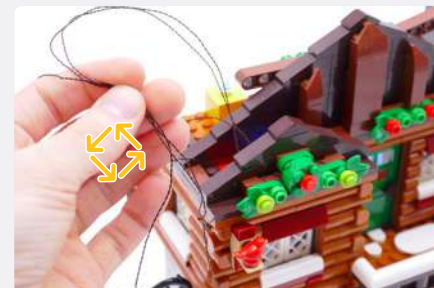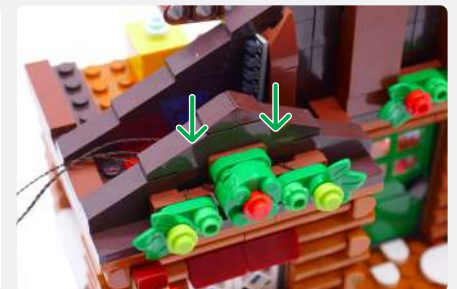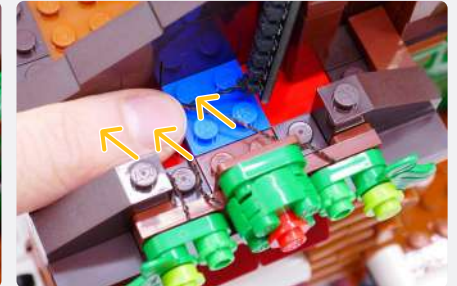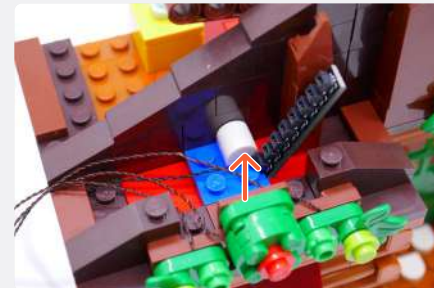Press the brown tile of the wreath section when moving the roof piece back into place.

NOTE

Wedge the Board into the space against the black technic piece, and then all of the cables on top.
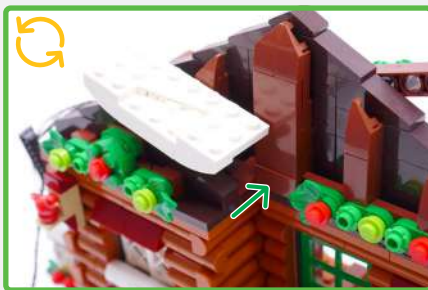
48
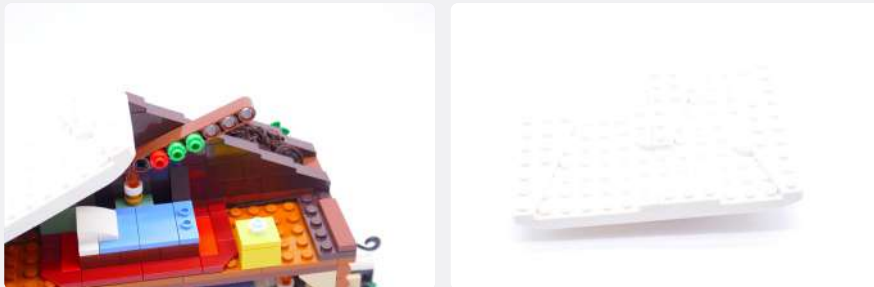
49

NOTE

Connect to a 5V USB Power Bank, 5V USB Wall Adaptor, or USB to AA Battery Pack (sold separately)

NOTE

The spotlights on either side can be rotated slightly to shine on wherever the lake and outhouse are positioned.

NOTE

You should have these parts left over that were removed from the LEGO set.

Removed Pieces

If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light or expansion board). To correct any issues with expansion board ports, please view the section addressing expansion board issues in our troubleshooting section.
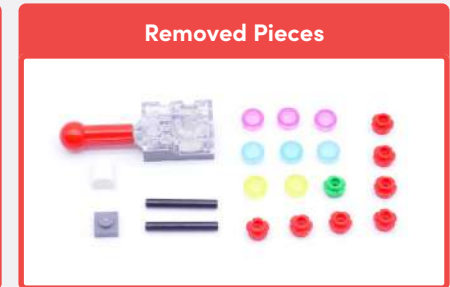
FINAL PRODUCT

This finally completes installation of the Light My Bricks

LEGO® Alpine Lodge 10325 Light Kit.

TROUBLESHOOTING

Light My Bricks lighting kits contain individual components that are very small and can be easily damaged if not handled correctly.

To prevent unnecessary damage to components, we highly recommend that the User Guide section, **"Important things to note"** is read carefully. Follow the handling procedures in the User Guide to help prevent faults and damages to your Light My Bricks components.

If you are experiencing issues with your Light My Bricks set, watch our troubleshooting video here or read on for a list of common causes to help you troubleshoot.

Troubleshooting

Firstly, ensure that the batteries have power using a battery charge gauge.

If the batteries have no power, replace the batteries.

If the batteries still have power, check to see if the batteries have been inserted correctly into the battery pack.

Check for AA batteries using the AA battery pack

Inside the battery pack are symbols indicating which direction the AA battery should be inserted. The flat side of the battery should be paired with the spring side of the battery pack.

If the batteries have been installed correctly and your kit still isn't operating correctly, the next step is to check the wiring.
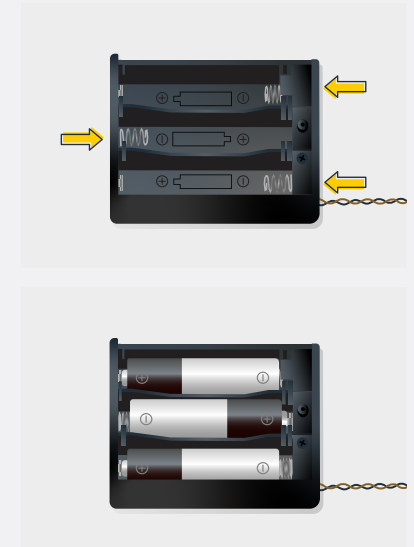
Troubleshooting

Check Your Wires

In order for Light My Bricks components to fit in between and underneath LEGO® bricks, the components need to be very small. Due to this nature, Light My Bricks components can be easily damaged when not handled correctly.

Be careful when removing unpacked components out of the packaging and ensure not to forcibly pull at the wires as this can damage the soldering that attach the wires to the LEDs.

If the wiring is detached from the LED itself, the light will not operate.

When connecting lights to your LEGO® set, check that there are no pinched wires underneath or in between bricks and plates. When the wires are pinched and the exposed wires are touching each other, this can cause a crosswire and the lights to not function correctly.
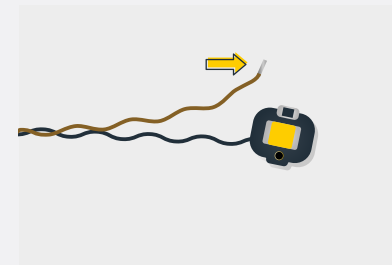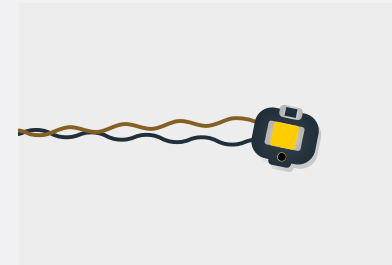
Troubleshooting

Check Your Expansion Board Ports/ Strip Light Ports / Effects Board Ports

It is important to note that connectors can only be inserted to the expansion board, strip light, or effects board ports in one direction.

Forcibly inserting connectors in the incorrect direction will result in damaging the pins inside each of the ports on your component board.
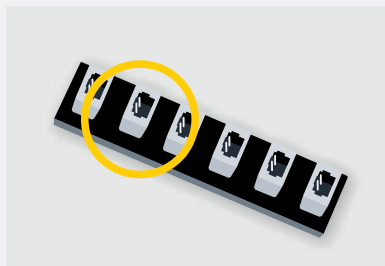
Not only will a light connected to the damaged port not work, but if the pins inside the port are bent to a point they are touching each other, this can result in all other lights in the system to stop working. This is a short circuit.

A short circuit can also result in overheating of the board, cable or batteries. If you suspect a short circuit, DISCONNECT POWER IMMEDIATELY Batteries can fail, catch fire, or even explode if left connected to a short circuit for too long.

If you suspect you have a faulty component due to a bent pin, try the following steps:

If you look carefully inside each of the ports, each port contains 2 small pins that should be straight. You will be able to identify a faulty port if it has any bent pins.
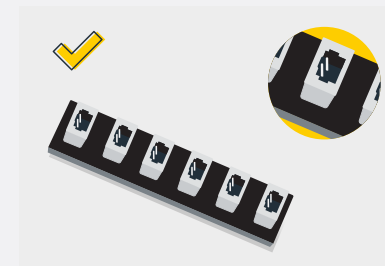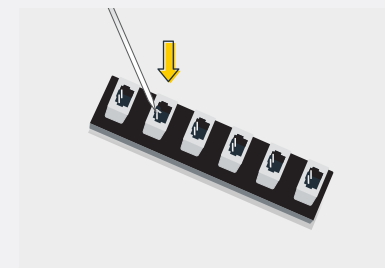
CONTACT US

If you have an enquiry regarding the online shop, our products or a general enquiry please refer to our Frequently Asked Questions webpage here. Alternatively, you can contact our Customer Services team by visiting our online support portal here.

support.lightmybricks.com

We thank you for purchasing this product and hope you enjoy!

LIGHT MY BRICKS

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