

INSTRUCTION BOOKLET



INSTRUCTIONS: PRISMIC™UNICORN

INTRODUCTION

With this kit, you will create a 34cm (13") tall PRISMIC™ Unicorn. This project could take 2-3 hours to complete.

For a video tutorial on making this **PRISMIC™** shape, please visit www.plbfun.com/prismic

READ ME FIRST!

PRISMIC™ shapes are created by folding and interlocking the included panels and inserting the USB-Powered LED string light inside the shape to light it up.

Before you start assembling panels, take some time to read these instructions and familiarize yourself with the various parts of the panels and the kit. This will make your PRISMIC™ building much easier and much more fun.

WHAT'S INCLUDED

This **PRISMIC™** kit contains:

- PRISMIC™ Panels
- Locking Pins
- LED Light Strings
- Mirrored Base

Panels

Each panel comes flat inside this package. Each panel has:

- Flat Edges
- Tabs
- Connecting Holes
- Fold Marks
- An Inside and an Outside

More on what this means below:

The panel images on these instructions are shown outside side up.

Some panels may look very much alike, but they are not. Be extremely careful to match up the panels to the instructions. A misplaced panel or connection will disrupt your entire **PRISMIC™** build, and you'll have to backtrack.

Fold Lines

On the surface of each panel, you'll see creased lines creating shapes. These are the fold lines, along which you'll fold or bend the panel.

The red lines are meant to be folded towards you as you look at the panel.

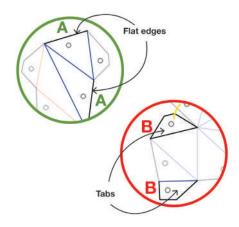
The blue lines are meant to be folded away from you as you look at the panel.

As for how far you bend each piece, they vary; Most require around a 15-45 degree fold.

Edges & Tabs

The edges and tabs of a panel are how the panels lock onto each other to create the shape.

The Flat Edges are the edges of the panel that do not look like a tab (identified in the sample image with an A).



The Tabs are the edges that protrude out of the main panel and look like a little tab (Identified in the sample image with a B). TABS ALWAYS GO ON THE INSIDE!

Tabs don't all look the same but are easy to distinguish from Flat Edges. If they are hard to distinguish, there will be a note on the instructions as to which is which.

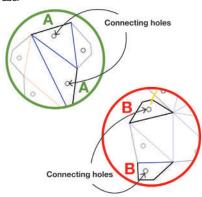
TIP: A Tab will always look out of place on the outside of the PRISMIC™ shape.

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Each Flat Edge has a matching Tab to connect to (sometimes on the same panel, but most often on other panels).

Connecting Holes

The black circles on the sample panel image are holes where you insert the connecting pins to connect Flat Edges to Tabs.



The instruction diagrams (whether it's an overall diagram, or a smaller section-specific diagram) will have lines between holes on the Flat Edges and their corresponding match on a Tab.

The connecting holes will have little plugs in them. They can be pushed out using the locking pins, or the tip of a pencil to get them out of the way.

Not every hole pairing will be indicated in these instructions. but once you start with the matched ones, the remainder are easy to figure out.

TIP: The holes are accurately placed. If a pairing looks like it matches up, but it isn't perfectly aligned, it's not meant to connect, as tempted as you may be. They probably connect to another panel in a step further down the instructions.

Locking Pins

The included plastic locking pins are how folded panels are connected to themselves and other panels, forming the PRISMIC™ shape. Locking pins have a larger round end. and a pointy one.



Locking pins are always inserted from the Outside of a panel towards the Inside, going through the hole in the Flat Edge first (A), then the corresponding hole in the matching Tab (B). Use one hand to push the pin in, and the other to

provide support from the backside of the hole vou're pushing the pin through.

They require a little pressure to push through the holes. It's easier to push through one layer at a time. Push through the Flat Edge first, then the corresponding Tab. It is possible to go through both at the same time, but it does require more pushing force and doesn't really save time.

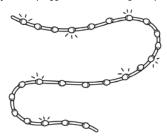
As you join the panels together, if you can't get one pin in, don't worry, it won't affect the final result. The surrounding ones will hold it in place. Just place the pin through the flat edge, and don't worry about getting it through the tabbed edge underneath.

LED String

PRISMIC™ shapes are lit up from the inside with USB-Powered LED Lights (USB Charger not included).

These strings are placed evenly inside the PRISMIC™ shape during the final steps of the assembly and are locked in place when the final panel is attached.

They have a 1m (39") lead with a standard USB plug at the end. They can be plugged into an existing USB power port.

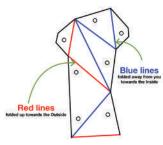


Tips on How to Fold / . Bend the Panels

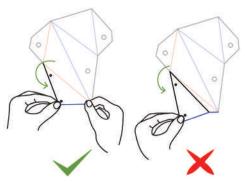
The diagrams are looking down on the panel with the Outside up and the Inside down.

As you fold the panels, regularly check against the panel layout on the instructions to make sure you have the Outside of the panel always facing you.

Following the diagram at each step, you can start folding or bending along the marked crease lines.

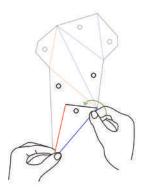


Red lines are folded up towards the Outside. Blue lines are folded away from you towards the Inside. To fold each crease, secure one side of the crease between one thumb and index finger and use your other hand to fold the other side of the crease in the direction indicated.



The smaller creases will fold with one motion, whereas the longer ones may need you to crease a couple of times along its length until the panel starts to fold.

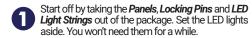
Make sure that the fold is consistent along the length of the crease, so the edge is nice and even.



Start folding at one end of the panel and work your way to the other side. When you reach the end of the panel, make any indicated connections with the Locking Pins.

GETTING STARTED

A **PRISMIC™** build can take some time and needs a clean and flat surface where you can lay out the panels and have enough room to work. A desk or large table is ideal.

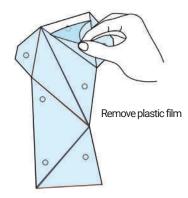


Find a safe place on your workspace to place the locking pins. You'll need these on each step, so it's a good idea to keep them within easy reach.

Make sure that each panel matches the location and shape exactly. Some panels look alike, even when flipped over. To make sure your project goes smoothly, match them exactly as laid out on this diagram.

The panels have protective film on both sides of the panels. You can remove it all now, making sure you place the panels back in the correct position before continuing. Alternatively, you can remove the protective film at each step.

> Before you start folding and bending the panels remove the protective film from both sides of the



Double check that you have the panels in the correct position before starting off, and if they are, it's time to get started with the assembly process!

REMEMBER THE BASICS:

Remove protective film from both sides of the panel before folding.

Outside of the panel is facing you, the inside faces down.

RED LINE = fold UP towards you

BLUE LINE = fold **DOWN** away from you

Flat Edges on OUTSIDE of Tabs, and tuck tabs onto the INSIDE of your PRISMIC™.

Push locking pins INWARDS (pointy end goes in).

Ask an adult for help if you need it.

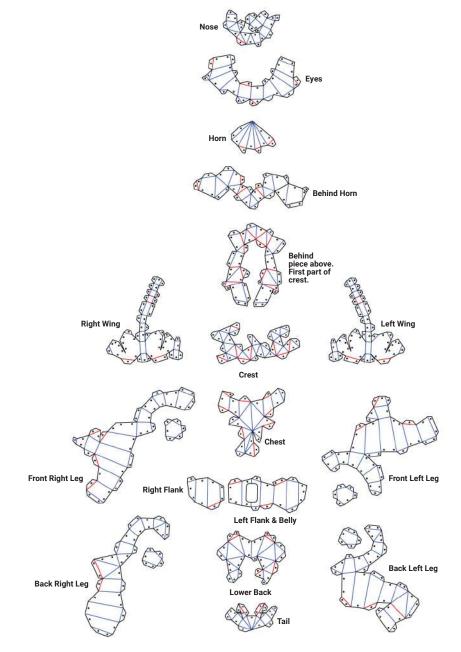
For each step, there is a main layout of all the panels indicating which to use for the step.

There is also a larger version of that same panel showing the fold lines and which Edges connect to which Tabs (if any on that panel), along with any additional notes for that

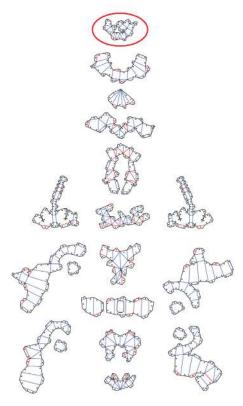
Step 1

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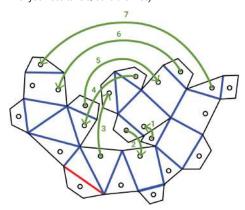
Take the panels and lay them out according to the diagram below. This will make it much easier to follow the steps for the instructions. This diagram will be shown in each step of the instructions and used to show you your progress and more easily identify the panels needed.



- ► WWW.PLBFUN.COM/PRISMIC
- Using the highlighted panel



 Fold/bend the panel along the red and blue lines. Then connect the highlighted Flat Edges to the highlighted Tabs by matching up the holes (connected by lines below) and fitting a locking pin in place (this will help determine how far you need to fold/bend the lines).

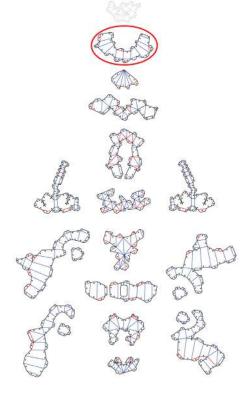


• You should end up with something that looks like this:

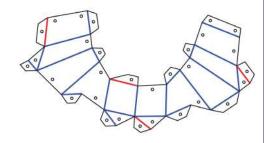


Step 3

- **DWWW.PLBFUN.COM/PRISMIC**
- Pick up the highlighted panel.



 Bend the red and blue edges accordingly. This panel does not connect to itself.

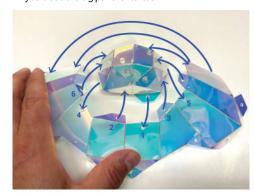


• You should end up with something like this:



Step 4

- WWW.PLBFUN.COM/PRISMIC
- Join together the panels from the previous 2 steps creating the part of the unicorn's head.
- Do this by lining up the panels as shown below and making the connections highlighted. Then proceed to make all the connections between the panel from the previous step and the nose from Step 2, until at the end you close the big panel onto itself.



• Close the big panel around the bottom of the nose by making these 2 connections.

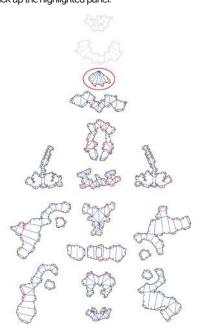


• You should end up with something that looks like this:

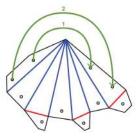


Step 5

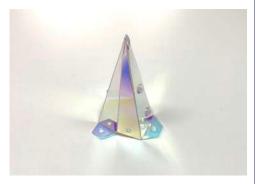
Pick up the highlighted panel.



• Bend the red and blue edges accordingly and make the connections in green. This creates the horn of the unicorn.



You should end up with something that looks like this:



Step 6

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Now, you'll connect the horn to the top of the head.
 Do this by lining up the panels as shown below and making the connections highlighted.



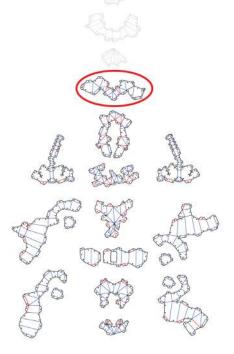
• You should end up with something that looks like this:



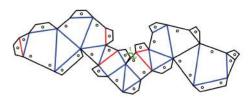
Step 7

▶ WWW.PLBFUN.COM/PRISMIC

Pick up the highlighted panel.



Bend the red and blue edges accordingly and make the connection in green.



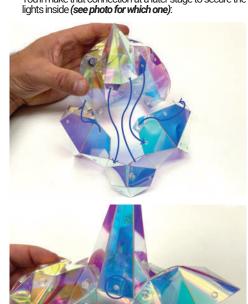
You should end up with something that looks like this:



Step 8

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Now, you'll connect the piece from the last step to the back of the head. Do this by lining up the panels as shown below and making the connections highlighted, then making the rest of the connections going to both sides. Leave one of the connections to the hom disconnected. You'll make that connection at a later stage to secure the



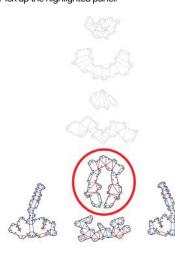


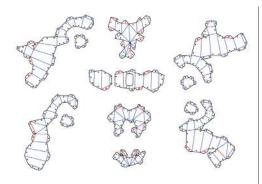


Step 9

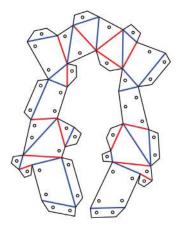
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Pick up the highlighted panel.





 Bend the red and blue edges accordingly. This panel has no connections to itself.



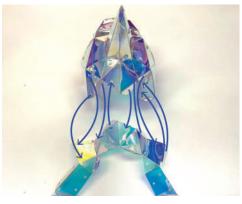
You should end up with something that looks like this:



Step 10

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• Now, you'll connect the piece from the last step to the back of the head. Do this by lining up the panels as shown below and making the connections highlighted, then making the rest of the connections going to both sides, about halfway down each side.



You should end up with something that looks like this:



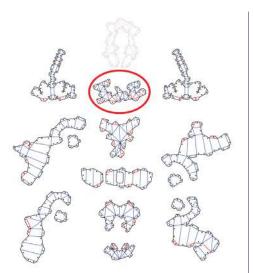


Step 11

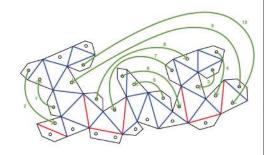
▶WWW.PLBFUN.COM/PRISMIC

Pick up the highlighted panel.





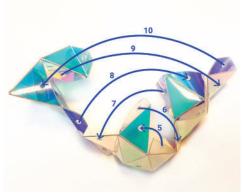
Pay close attention to this panel, as it has some tricky folds and connections. Fold & connect according to this diagram:



• After making the first 4 connections, it should look like



With connections 5 and beyond, the piece comes back up onto itself to create the crest at the back of the head.



• You should end up with something that looks like this:



Step 12

▶WWW.PLBFUN.COM/PRISMIC

Now, you'll connect the piece from the last step to the back of the head. Do this by lining up the panels as shown below and making the connections highlighted, then making the rest of the connections going to both sides.



Once you go down both sides and make the connections, also make these additional connections to close this



You should end up with something that looks like this:



Step 13

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Pick up the highlighted panel.

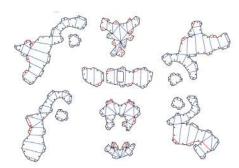




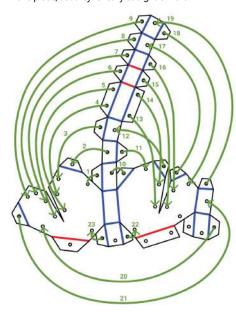








 Bend the red and blue edges accordingly and make the connections in green. There's a lot of connections on this piece, but they're really straightforward.



 After the first 9 connections, you'll have something that looks like this. Carry on to close the other side of the



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• You should end up with something that looks like this:





Step 14

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• Now, you'll connect the wing from the last step to the back of the body. Do this by lining up the panels as shown below and making the connections highlighted. There are three pins in this step.



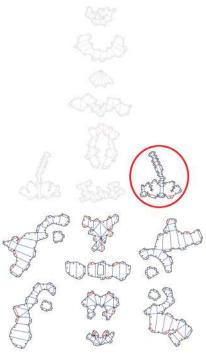
• You should end up with something that looks like this:



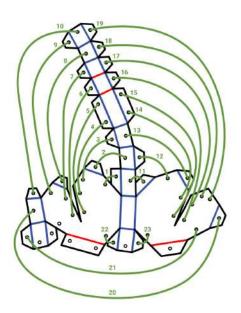
Step 15

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Pick up the highlighted panel.



• Bend the red and blue edges accordingly and make the connections in green. This makes the second wing of the unicorn. Again, there's a lot of connections on this piece, but they're really straightforward.



 After the first 10 connections, you'll have something that looks like this. Carry on to close the other side of the wina.



• You should end up with something that looks like this:





Step 16

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 Now, you'll connect the wing from the last step to the back of the body. Do this by lining up the panels as shown below and making the connections highlighted. There are three pins in this step.



• At this point, take the LED string light and gently unbundle one of the strands. Then tuck it into the head of the unicorn, making sure to secure one strand around the missing pin on the horn, in between the tabbed edge and the outside panel. Push the pin into place, securing the wire under.



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• Then tuck the rest of the light bundle into the head, leaving the second one and the main wire out.



You should end up with something that looks like this:

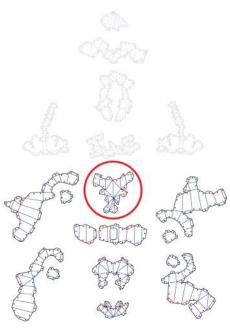


Step 17

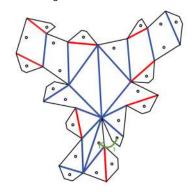
► WWW.PLBFUN.COM/PRISMIC

Pick up the highlighted panel.





 Bend the red and blue edges accordingly and make the connection in green.



• You should end up with something that looks like this:



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 Now, you'll connect the piece from the last step under the chin of the unicorn and create the neck. Do this by lining up the panels as shown below and start with the marked connections, then continue around the entire neck.



You should end up with something that looks like this:



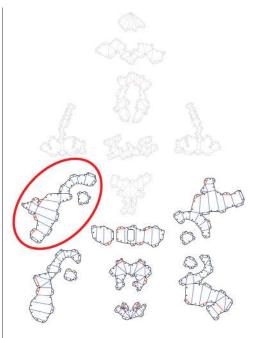


Step 19

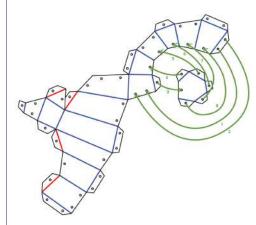
- **DWWW.PLBFUN.COM/PRISMIC**
- Pick up the highlighted panel.



VIDEO INSTRUCTIONS: WWW.PLBFUN.COM/PRISMIC



 Bend the red and blue edges accordingly and make the connection in green.



Once you make the first two connections, you should end up with something like this. Next, you'll have to match up the bottom of the foot. These two pieces are quite similar, but only one fits. Match up the two indicated edges for size to get the correct one. Then fold, and make connections 3 to 8 as indicated.



 You should end up with something like this. Continue to close the leg by making the connections along the two edges as marked.



You should end up with something that looks like this:



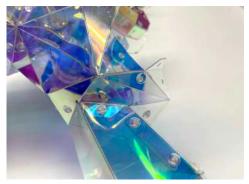
Step 20

- **D**WWW.PLBFUN.COM/PRISMIC
- Now, you'll connect the front right leg you just built to the main body. Do this by lining up the panels as indicated, starting with the small single tab at the top of the leg connecting to the small edge between the wing and neck, and making connections going forward along the leg.



You should end up with something that looks like this:



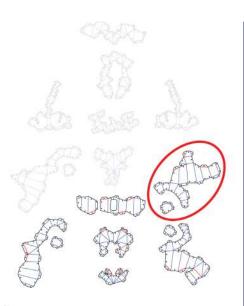


Step 21

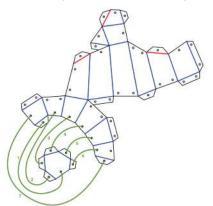
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Pick up the highlighted panel.



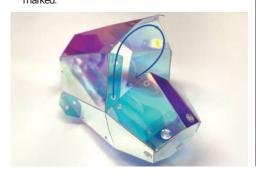
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Bend the red and blue edges accordingly and make the connections in green. This is the other front leg.



• Once you make the first seven connections, you should end up with something like this. Continue to close the leg by making the connections along the two edges as marked.



• You should end up with something that looks like this:



Step 22

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Now, you'll connect the front right leg you just built to the main body. Do this by lining up the panels as indicated, starting with the small single tab at the top of the leg connecting to the small edge between the wing and neck, and making connections going forward along the leg.



• You should end up with something that looks like this:





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Step 23

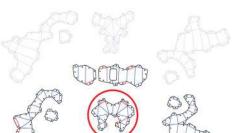
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Pick up the highlighted panel.



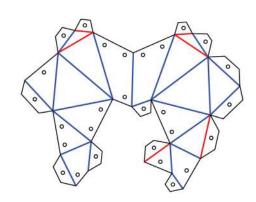








Although there are two connections within this panel, you won't make them until later, once the tail is in place.



Step 24

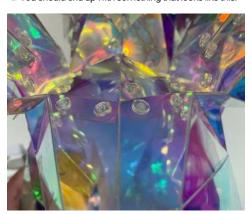
• You should end up with something that looks like this:

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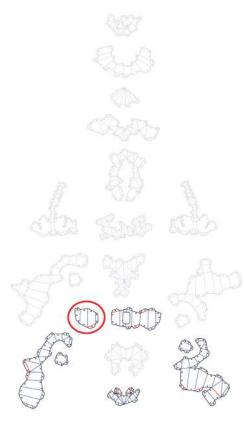
 Now take the piece you just folded, and connect it to the back, and under the back of the wings. Do this by lining up the panels as indicated, and making 6 connections under the wings and the middle back.



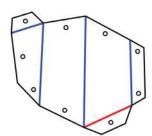
• You should end up with something that looks like this:



- ► WWW.PLBFUN.COM/PRISMIC
- Pick up the highlighted panel.



Bend the red and blue edges accordingly.



Step 26

- **D**WWW.PLBFUN.COM/PRISMIC
- Take the panel you just bent, and connect it under the right wing of the unicorn. Do this by lining up the panels as indicated, and making all the marked connections and continuing making connections along the top edge of the panel. You'll need to make room for the last couple of connections by pulling up on the back piece.



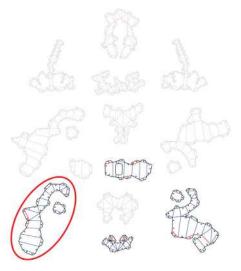
You should end up with something that looks like this:



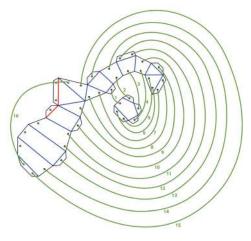
Step 27

- **DWWW.PLBFUN.COM/PRISMIC**
- Pick up the highlighted panel.





 Bend the red and blue edges accordingly and make the connections in green.



• After the first eight connections, you should have something that looks like this. Then continue and make all the connections along the panel.



• You should end up with something that looks like this:



Step 28

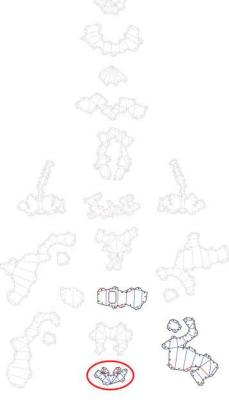
- **▶**WWW.PLBFUN.COM/PRISMIC
- With the back right leg from the previous step, connect it to the main body by lining up the parts as shown and making the 3 indicated connections.



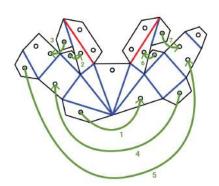
You should end up with something that looks like this:



- **▶** WWW.PLBFUN.COM/PRISMIC
- Pick up the highlighted panel.



• Bend the red and blue edges accordingly and make the connections in green in the order specified. This will become the unicom's tail.



• You should end up with something that looks like this:



Step 30

- NWW.PLBFUN.COM/PRISMIC
- You'll attach the tail to the unicorn at this step. Do this by lining up the two pieces as shown and making the first 3 connections.



 Then work around the right side of the tail and complete those connections right to the one that tucks under the bottom of the tail. Then finish off the last two connections from the main back panel.









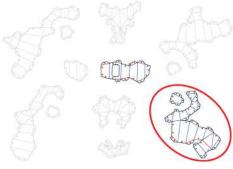
• You should end up with something that looks like this:



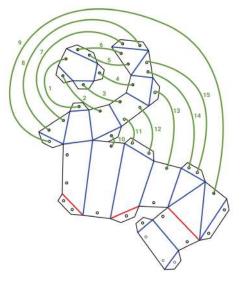
Step 31

- ► WWW.PLBFUN.COM/PRISMIC
- Pick up the highlighted panel.

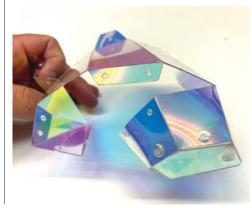




 Bend the red and blue edges accordingly and make the connections in green.



After the first eight connections, you should have something that looks like this. Then continue and make all the connections along the panel.



Then carry on making all the remaining possible connections along the panel. You should end up with something that looks like this:



Step 32

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 Now you'll attach the back left leg you just created onto the body of the unicom. Do this by lining up the parts as shown, and making the connections as indicated, finishing off with the large edge that connects this leg to the other one body.



You should end up with something that looks like this:





Step 33

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• It's time to finish setting up the LED lights. Unbundle the second light string, and gently stuff them into the body of the unicorn, making sure to spread it around well, and get a couple of loops into each leg (don't worry if it's not perfect, it'll shine bright anyway).



 Also tie a small knot on the thicker part of the wire where it meets the thinner part. This will help you later to keep the wire secure in the unicorn. You should end up with something that looks like this:

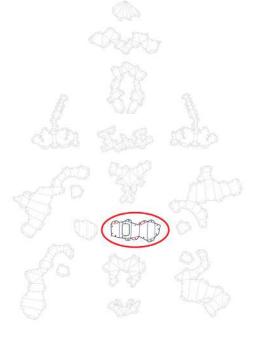


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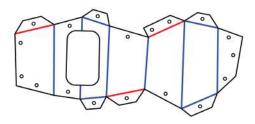
Step 34

► WWW.PLBFUN.COM/PRISMIC

Pick up the highlighted panel.



• Bend the red and blue edges accordingly. Remove the piece from the middle access hole and discard.

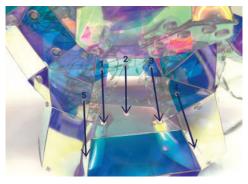


 Once this piece is folded, you'll attach it as the belly of the unicorn in the next step.

Step 35

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 Start by making the connections under the left wing of the unicorn as shown below.



Then work down each side of the panel to make these additional connections, leaving the flap at the bottom for last.



- Then tuck in the bottom flap into place, securing the led wire as shown (with the knot on the inside). From here, complete the last connections by using the access hole in the center to help finish the connections.
- Some of these last connections can be a little tricky. Take your time and move the panels as needed to make the connection. Secure the LED string between these pins, with the knot inside the unicorn.



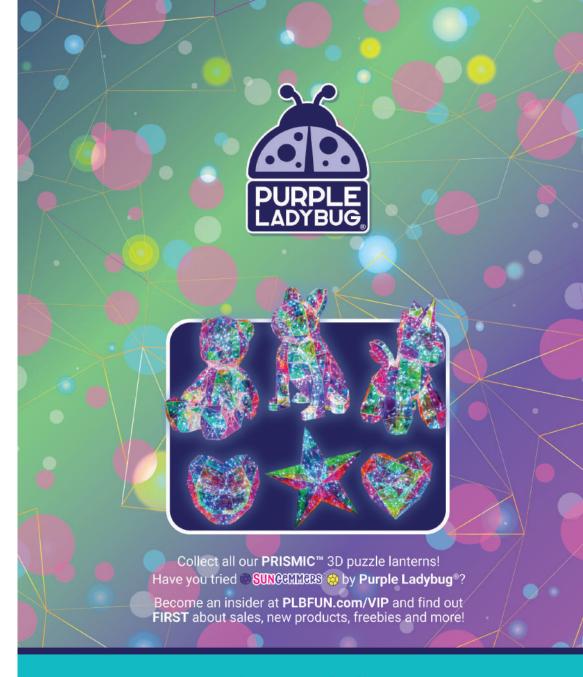
• You should end up with something that looks like this:



Congratulations! You've completed this Prismic. Plug it into an existing USB outlet and enjoy!







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