

# INSTRUCTION BOOKLET



## **INSTRUCTIONS:** PRISMIC™ TABLETOP HEART

#### INTRODUCTION

With this kit, you will create a 23cm (9") tall PRISMIC™ Tabletop Heart. This project could take 30-45 minutes 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.

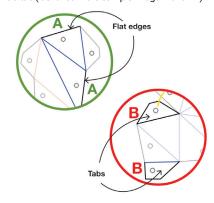
The blue lines are meant to be folded away from you as you look at the panel.

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!

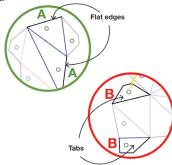
Tabs don't all look the same but are easy to distinguish from Flat Edges. If they are hard to distinguish, there will be a note on the instructions as to which is which.

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

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 you'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.

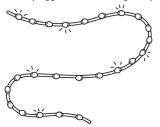
As you join the panels together, if you can't get one pin in, don't worry, it won't affect the final result. The surrounding ones will hold it in place. Just place the pin through the flat edge, and don't worry about getting it through the tabbed edge underneath.

#### **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.

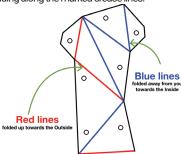


#### Tips on How to Fold / **Bend the Panels**

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

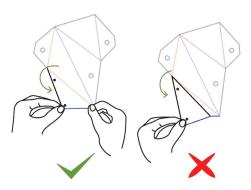
As you fold the panels, regularly check against the panel layout on the instructions to make sure you have the **Outside** of the panel always facing you.

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



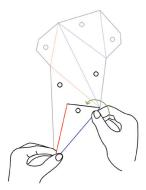
Red lines are folded up towards the Outside. Blue lines are folded away from you towards the Inside.

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.

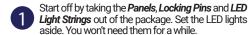
Make sure that the fold is consistent along the length of the crease, so the edge is nice and even.

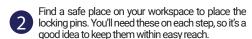


Start folding at one end of the panel and work your way to the other side. When you reach the end of the panel, make any indicated connections with the Locking Pins.

#### **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.

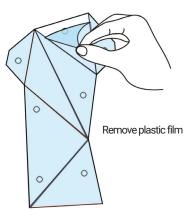




Make sure that each panel matches the location and shape exactly. Some panels look alike, even when flipped over. To make sure your project goes smoothly, match them exactly as laid out on this diagram.

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 as laid out in Step 1.

**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).

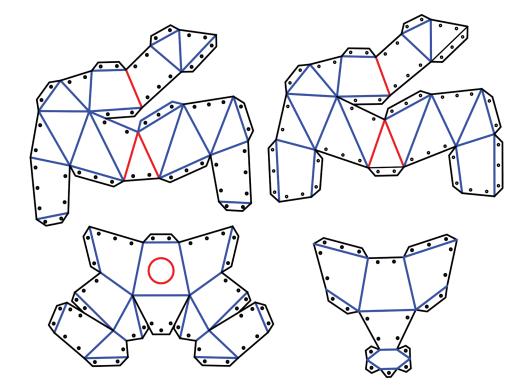
For each step, there is a main layout of all the panels indicating which to use for the step.

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

#### WWW.PLBFUN.COM/PRISMIC

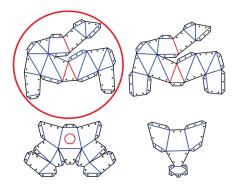
 Take the panels and lay them out according to the diagram below. This will make it much easier to follow the steps for the instructions. This diagram will be shown in each step of the instructions and used to show you your progress and more easily identify the panels needed.



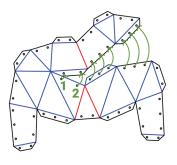


#### Step 2

- 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).

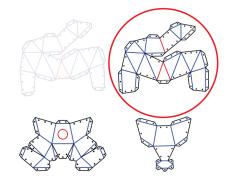


- Once you have this piece folded and connected. Set it aside for now and move on to the next step.
- You should end up with something like this:

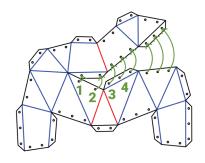


#### Step 3

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



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



- Once you have this piece folded and connected, you'll connect it to the first piece on the next step.
- You should end up with something like this:

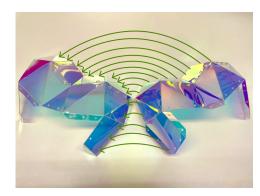


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#### Step 4

- WWW.PLBFUN.COM/PRISMIC
- Join together the panels from the previous 2 steps creating the top of the heart.

There is a flat edge with 3 holes on one panel and a matching tabbed edge on the other. Start with these and connect along the entirety of the panel all the way to the other side.

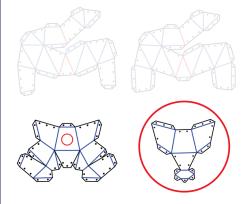




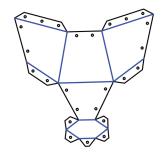
• You should end up with something that looks like this:



- Step 5
- Pick up the highlighted panel.



Bend the blue edges accordingly.



- Once you have this piece folded, you have completed the front bottom of the heart.
- You should end up with something that looks like this:



#### Step 6

- WWW.PLBFUN.COM/PRISMIC
- Connect the panel from the previous step to the two panels from Step 4 by joining it from the top side of the panel to the bottom side of the top of the heart by making the connections as indicated below.



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



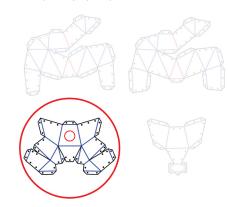
### Step 7

- WWW.PLBFUN.COM/PRISMIC
- Flip the heart over so that the open side is facing you. Loosely unbundle the LED light string and place it inside the heart to fill the space.
- Leave the lead wire accessible to secure it in place between panels during the next step.
- You should end up with something that looks like this, with the lead wire coming out the bottom part.

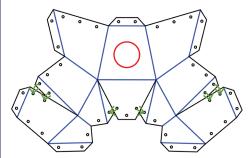


#### Step 8

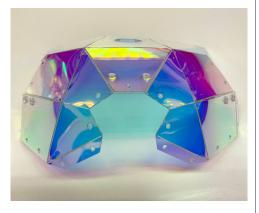
- WWW.PLBFUN.COM/PRISMIC
- Pick up the highlighted panel.



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



• You should end up with something like this.



#### Step 9

- WWW.PLBFUN.COM/PRISMIC
- Connect the final panel to the main body of the PRISMIC heart by starting the connections between them from the bottom up by connecting the middle edge with the single hole to the matching tab with a single hole at the bottom of the front of the heart.
- After securing the first pin, you can pinch the main lead wire for the LED string inbetween the edge as shown in the image below, then continue with pins 2, 3 and so on.





• Then make connections, working your way up each side first, then finally closing the top edge of this panel to the main assembly (the edges closest to the access hole are



You should end up with something that looks like this:

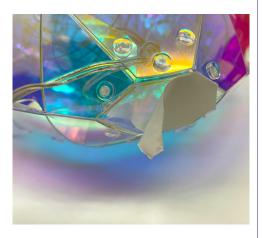


#### Step 10

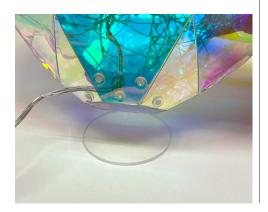
- WWW.PLBFUN.COM/PRISMIC
- Now that the heart is assembled, you cause the included double sided tape to secure the heart onto the round acrylic disc.
- Peel off one side of the double sided tape and secure it to the bottom face of the heart (the shape matches the tape)



• Then peel off the second side of the tape, and while centering it on the round acrylic disc, apply gentle downward pressure to secure the heart to the disc.



• The heart should stand up now on the acrylic disc and is ready for you to display your creation.

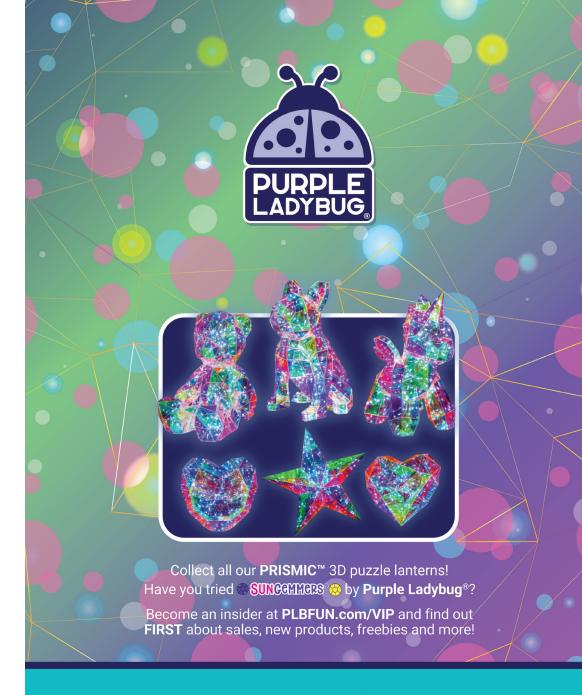


Plug it into any existing USB charger, and you're ready





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