

instructables Avengers Infiinty Mirror Instruction Manual



instructables

Contents

- 1 Avengers Infinity Mirror
 - 1.1 Step 1: Prepare Your Logo for Cutting
 - 1.2 Step 2: Applying the Led Stip
 - 1.3 Step 3: Acry and Mirror Foil
 - 1.4 Step 4: Finishing the Light
 - 1.5 Step 5: Adding a Foot/Stand
 - 1.6 Step 6: Controlling the Led
- 2 Documents / Resources
 - 2.1 References
- 3 Related Posts

Avengers Infinity Mirror

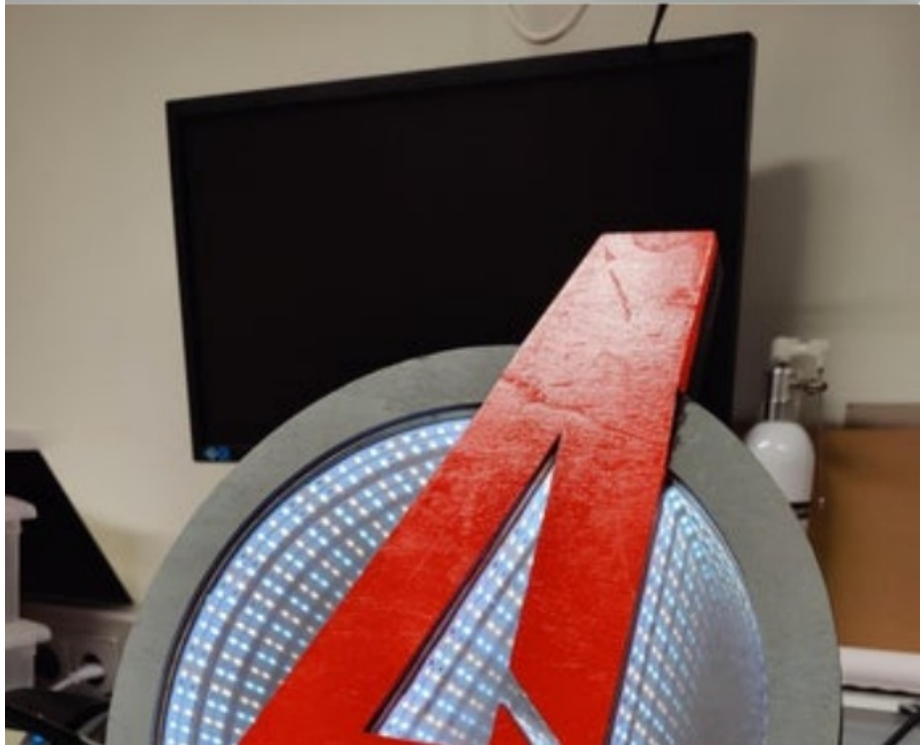
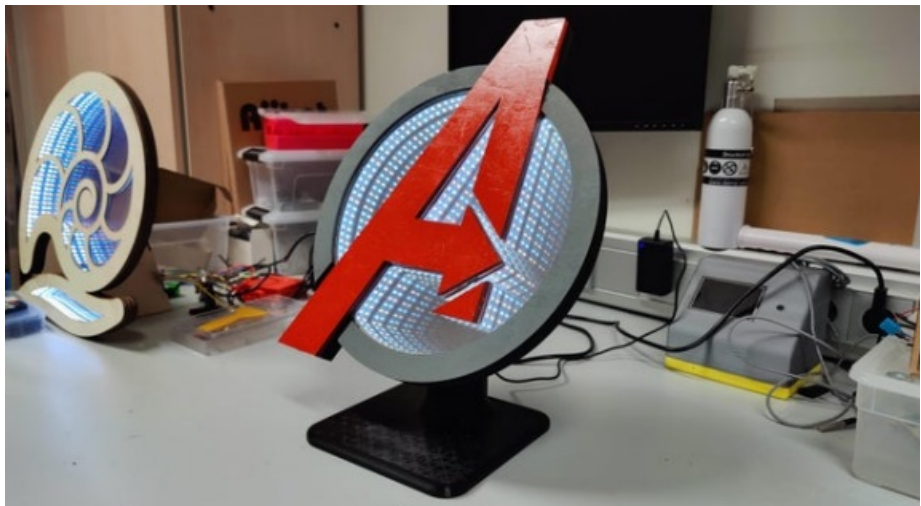


by CaptainTiggiii

I made a light out of the Avengers Logo with LED's and mirror foil

Supplies:

3mm ply wood
2mm plexiglas
LED Stips
12v power supply
AcrylMirror
Mirror Foil
spray colors
wood glue
glue gun
led driver or shelly 1
Wago COMPACT
pla
ducktape
lascutter
3d printer





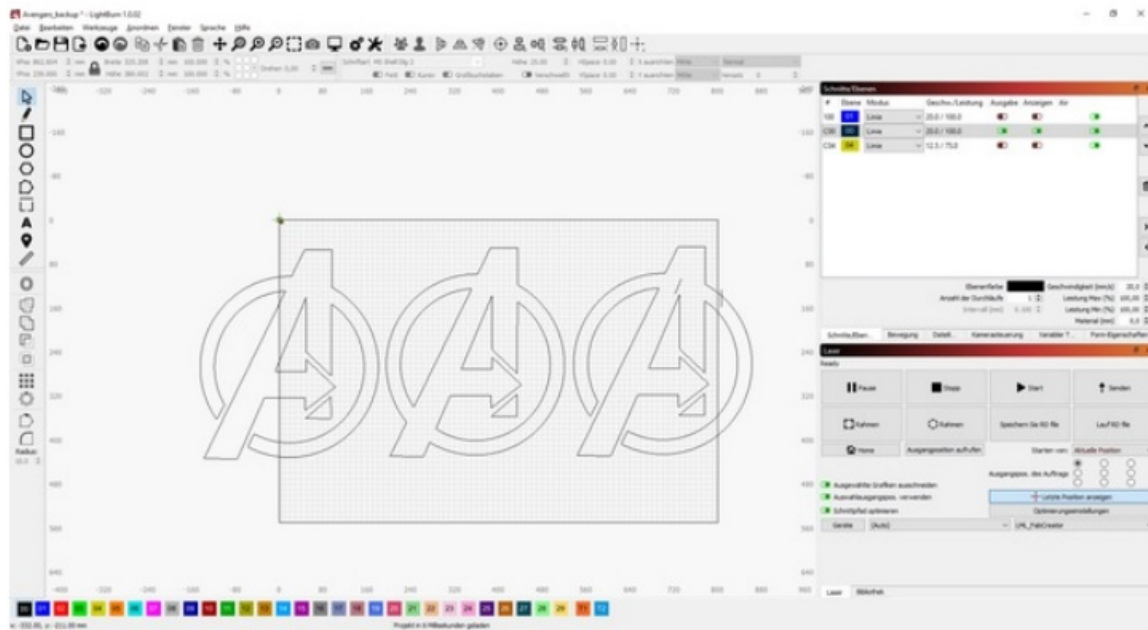


Step 1: Prepare Your Logo for Cutting

I used light burn to create every single layer of the light

The acrylic mirror is also cutted by the laser and glued to the first layer of the light then you measure the width of your led stripe, this will be the height where you have to glue layer by layer together

don't forget to apply enough pressure on your pieces for them to glue tightly together



https://www.instructables.com/F8L/NOKU/LELELSPL/F8LNOKULELELSPL.dxf	Download
https://www.instructables.com/FVX/2UQ0/LELELSR6/FVX2UQ0LELELSR6.mp4	Download

Step 2: Applying the Led Strip

now you glue the led strip to the inner walls of your logo, next to the mirror. I made holes for the cables to run behind the wood and enter the foot of the light later on.









Step 3: Acry and Mirror Foil

now you take a big 2mm acrylic panel and stick the mirror foil to it. here is an easy tutorial on how to do it:
<https://www.youtube.com/watch?v=fqpnBpaSSzs>

now you cut the same le again you have done for the mirror, but make it a little bigger.

the there panels will then be glue to your light.

Step 4: Finishing the Light

for a good finishing, i glue another few plywood panels on top of it, and spayed them in the desired color





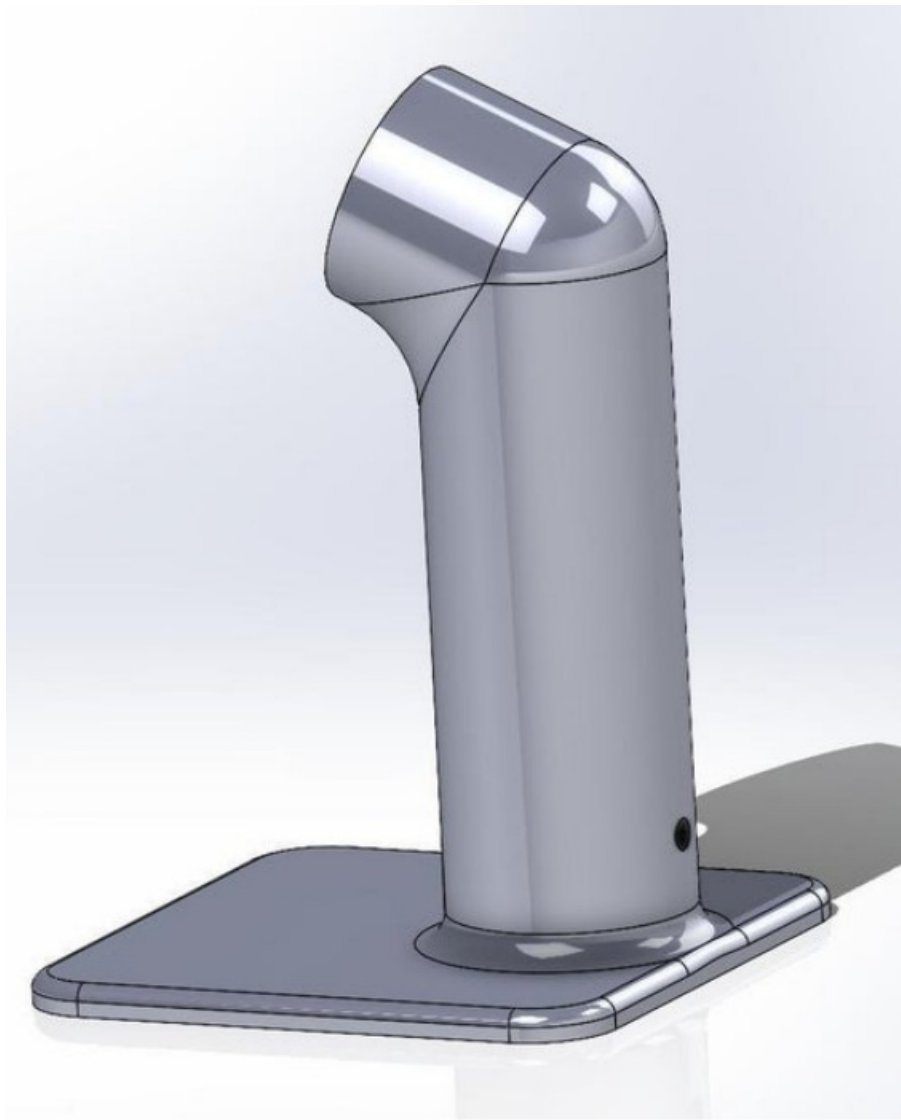
Step 5: Adding a Foot/Stand

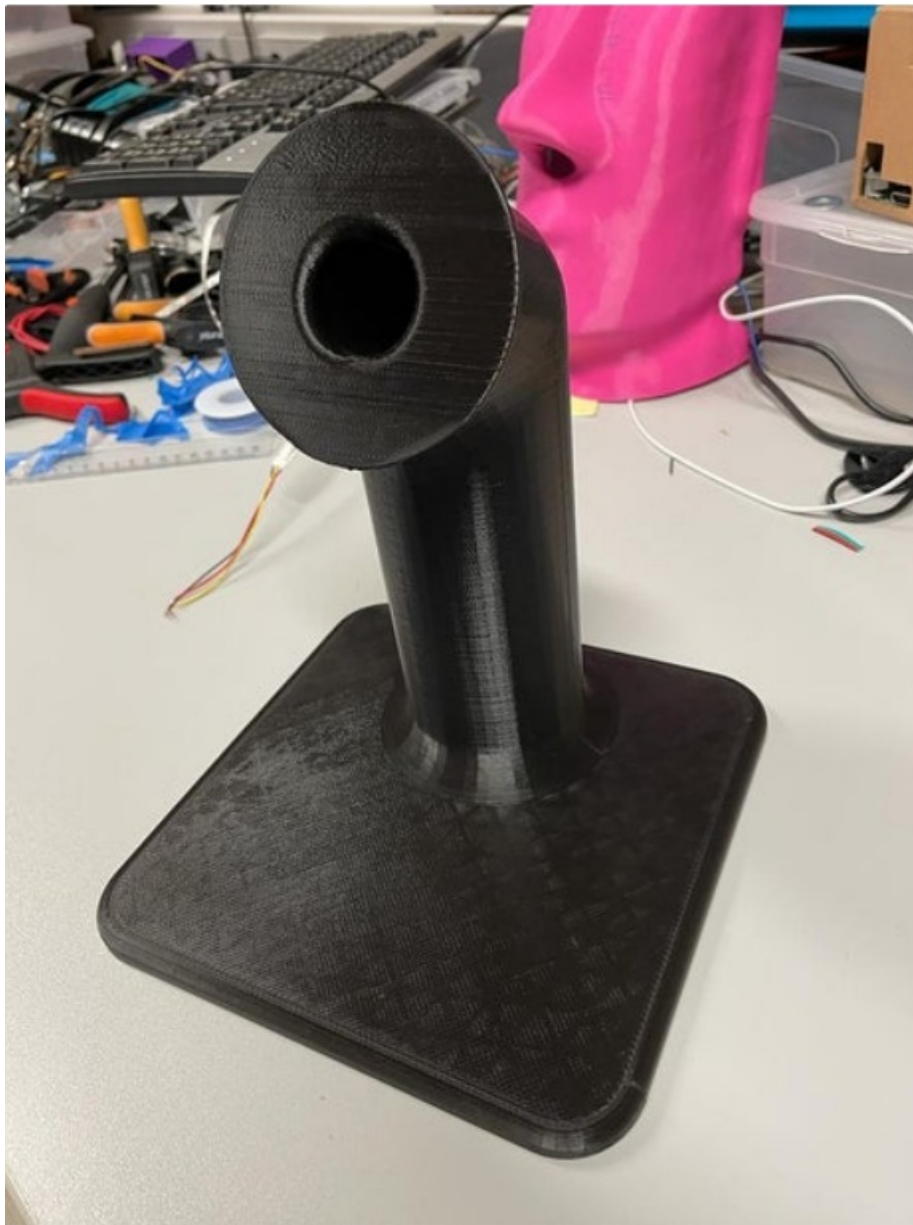
I designed the foot in a 3d program, you can download my STL and easily print it yourself make it with enough infill, so the light will stay good in place.

beneat the stand i used some rubber sticky pads, so that the light doesn't slip away

the stand is designed so that the weight of the light is redirected to the stand, which makes it very stable and it will not easily tilt to the front with it's own weight

the stand is glue with a hot glue-gun.






https://www.instructables.com/FJH/DHGZ/LELELUL2/FJHDHGZLELELUL2.mp4	Download
https://www.instructables.com/F06/DTA4/LELELUVG/F06DTA4LELELUVG.stl	View in 3D Download

Step 6: Controlling the Led

I've used the normal LED driver that was furnished with the light them self, but you can also go for a Shelly if you want to use the light smarter

Avengers Infinity Mirror

Documents / Resources

	<p>instructables Avengers Infiinty Mirror [pdf] Instruction Manual Avengers Infiinty Mirror, Infiinty Mirror, Mirror</p>
--	--

References

-  [Yours for the making - Instructables](#)
-  [Avengers Infinity Mirror : 6 Steps \(with Pictures\) - Instructables](#)
-  content.instructables.com/F06/DTA4/LELELUVG/F06DTA4LELELUVG.stl
-  content.instructables.com/F8L/NOKU/LELELSPL/F8LNOKULELELSPL.dxf
- [User Manual](#)

Manuals+, [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.