LED PANELS
BUILDING INSTRUCTIONS

MYREALLIFE.ORG
-TREVOR GRAY-

I assume no responsibility for any events that are caused by your project.

Parts needed :

Power cord – 6.78
http://amzn.to/2jgdi96

12v regulated power supply – 19.68
http://amzn.to/2jghDcF

Thermostat wire – 56.24
http://amzn.to/2jqHH89

LED strip controller* – $20-160
http://amzn.to/2jgdmFX

http://amzn.to/2j5YChK

LED strip light – $15.68
http://amzn.to/2jyyLuU

Square Panels** – $60 - $500
http://www.homedepot.com/p/Underlayment-Common-7-32-in-x-4-ft-x-8-ft-Actual-0-196-in-x-48-in-x-96-in-431178/203183010?MERCH=REC-_-SearchPLPHorizontal1_rr-_-NA-_-203183010-_-N

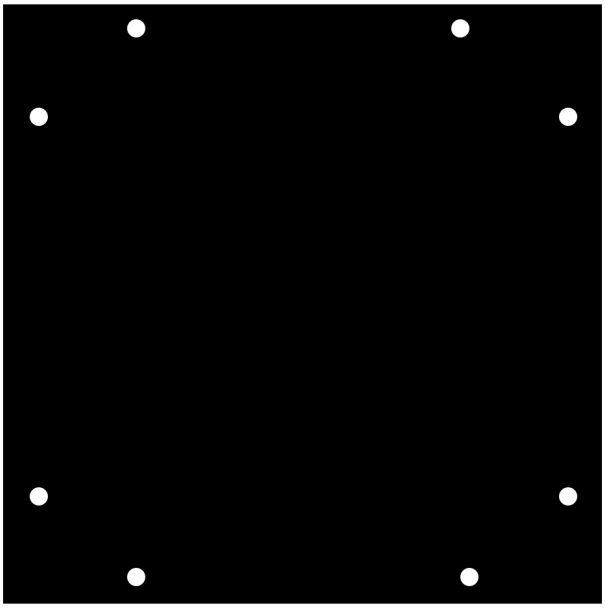
http://www.homedepot.com/p/Coroplast-48-in-x-96-in-x-0-157-in-White-Corrugated-Plastic-Sheet-CP4896S/205351385

http://www.regionalsupply.com/default.aspx?page=item+detail&itemcode=ALUMALITE

*for control of each strip individually, you will want to make sure you have enough channels on the decoder.
**this is dependent on what your desired durability is. They all work, coroplast may need some weight added to keep it from swaying.

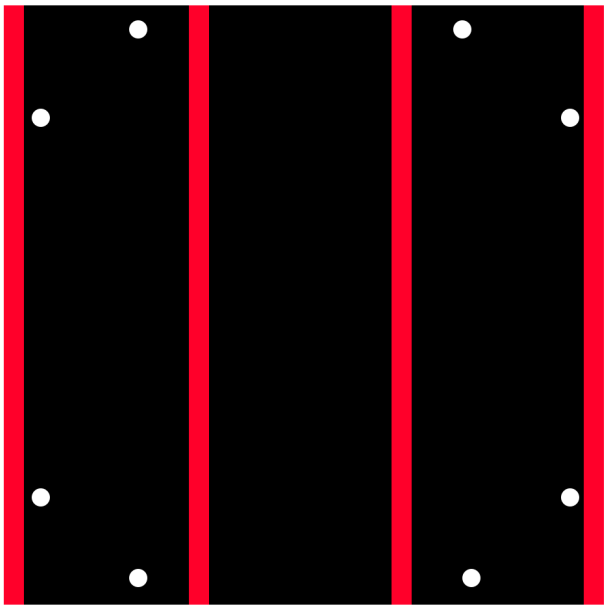
1 Cut 4’x8’ panels into 4’x4’ squares.

2 Drill ¼” mounting holes in panels on all four sides 1’ from the corner and 2” in from the edge.



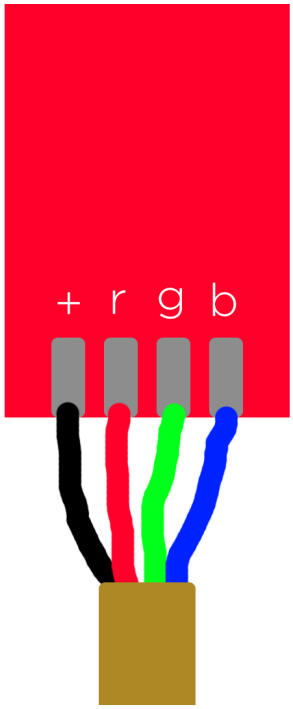
3 Cut LED strip into 4’ sections.

4 Place strips on panels.



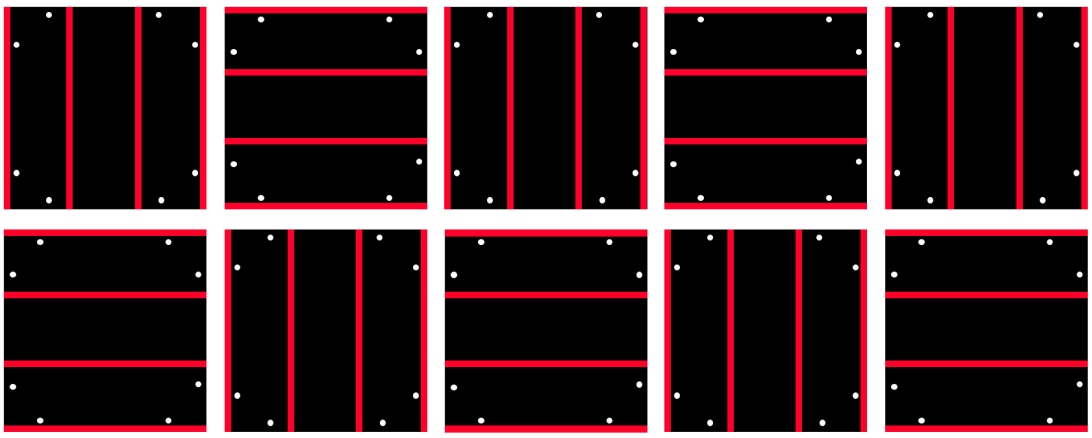
5 Cut thermostat cable to length to reach from each strip to decoder. (if you have two 30 channel decoders, you will want the cable to reach to the center panels)

6 Solder thermostat wire to LED strips.

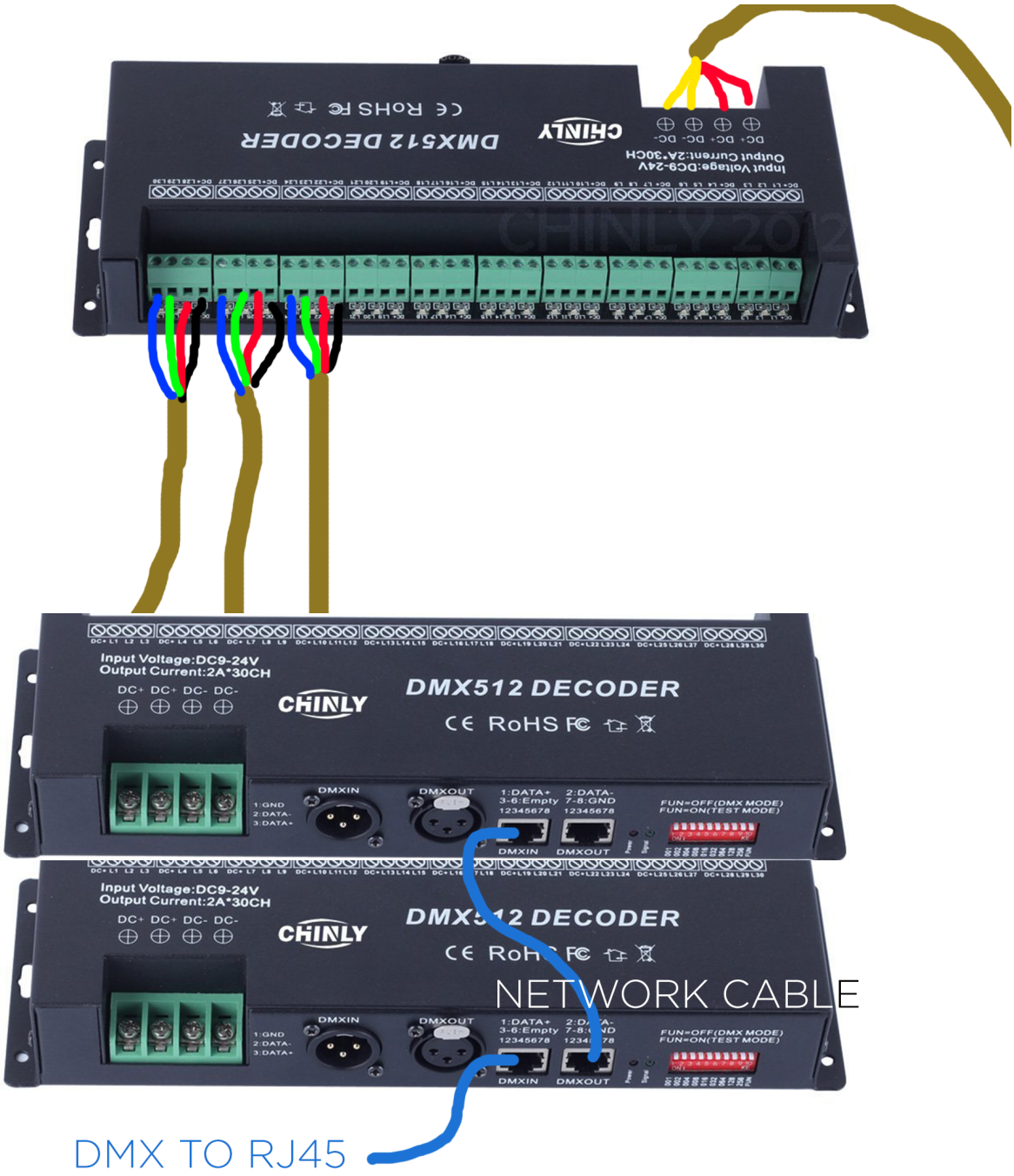


7 Mount LED decoder to back of panels. Set dip switches to appropriate address.

8 Attach the panels to each other with zip ties or dog chain using the holes you drilled in step 2. Having holes on every side allows you to rotate each panel to get desired effect.



9 Connect wires to decoder / Connect either dmx cable or rj45 depending on the decoder you get.



10 Mount to whatever you decide to use as a stand. (i.e. truss, pipe and drape)

11 Connect the power adapter to the decoder.