



## Hexawall - Hexagon wall with led lights



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### Summary

I saw a wallpaper of hexagons with different heights a while ago and in wanted to recreate that in real life.

[Household](#) > [Home Decor](#)

Tags: [hexagon](#) [wall](#) [lights](#)

#### Update 20-02-2022:

I have updates the incorrect files, all tiles have now the correct heights.

#### Description

I saw a wallpaper a while ago and in wanted to recreate that in real life.

So started up fusion and started this massive project.

The hexawall i made exists from over 250 tiles where 25 have led strips.

You can find different sizes of tiles, some are just plain tiles and there are the light tiles.

The light tiles have an edge to add led strips. You can use the led clips to secure the led strips.

The hexawall tiles themselves can be connected with the connectors (just press fit)

All the connectors and hexawall tiles have cut-outs for wire management.







I also includes 2 types on hexawall end element with a 4mm hole to secure it to a wall.

You can find the complete project in YouTube

## BOM list:

- Led strip WS2812B RGB 60 LED DC5V 5m IP30
- LEICKE power supply 5V 4A 20W
- TTP223B digitale touch-sensor
- Fancyboard.io controller (fancyboard.io) but Arduino Nano works well to, just make sure that you power the led strip seperately from the power supply or you will burn out the Arduino.
- 5A DC power connector 5.5mm x 2.1mm jack socket
- 18 AWG rood/zwart/groen wire

## Model files

	Light tiles	10 files
	<b>hex-light-15.3mf</b>	
	<b>hex-light-20.3mf</b>	
	<b>hex-light-25.3mf</b>	
	<b>hex-light-30.3mf</b>	
	<b>hex-light-35.3mf</b>	



**hex-light-40.3mf**



**hex-hollow-inner.3mf**



**hex-hollow-outer.3mf**



**hex-hollow-faceplate.3mf**



**hex-hollow-single-light.3mf**



**Plain tiles**

7 files



**hex-10.3mf**



**hex-15.3mf**



**hex-20.3mf**



**hex-25.3mf**



**hex-30.3mf**



**hex-35.3mf**



**hex-40.3mf**



**hex-backplate.3mf**



**hex-link.3mf**



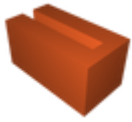
**hex-end-small.3mf**



**hex-end-flat.3mf**



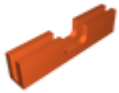
**hex-end-flat-mount.3mf**



**hex-led-clip.3mf**



**hex-mount-small.3mf**



**hex-link-small.3mf**

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