ALKIMOS BEACH LIGHTS

LED there be lights!

A guide to holiday illumination

By Pierre Beukes

Who am I?

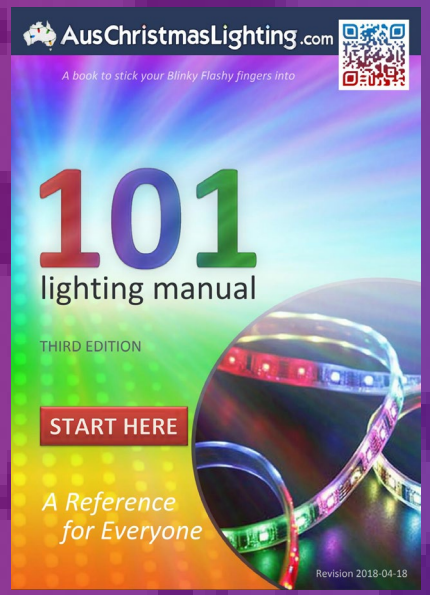
Person behind the show

The Alkimos Beach Light Show

The Alkimos Beach Light Show (Explained)

- 18 000 Pixels
- 3 Controllers boxes + 4 remote boxes
- +- 150 Props

Where to start



- AusChristmasLighting.com
- Youtube: Canispater Christmas
- Facebook: Official xLights Support Group

Props

Lights

Controller

Show player

Main Elements of a Light Show

What are the key components of a light show?

LED there be lights!

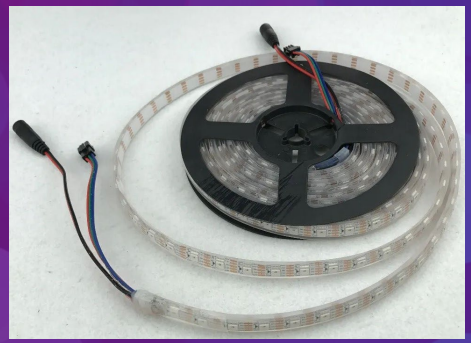
Props

Extreme Lighting Displays

Christmas Props Australia

Ink Creations

Lights

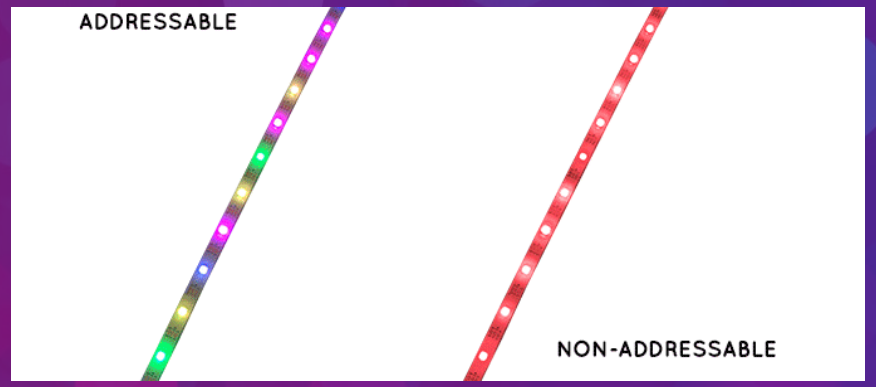


Lights

· Built-in ICs: WS2812B, WS2813, WS2815, SK9822, APA107, HD108, etc.
· External IC: WS2811, WS2814, WS2818, UCS1903, TM1812, TM1814, LPD8806, LPD6803, TM1914, TM1934, GS8206, FW1906, SM16703, SM16704, etc.
· Available Both Built-in & External ICs: SK6812, APA102, WS2801, GS8208, DMX512, etc.

SK6812 External IC

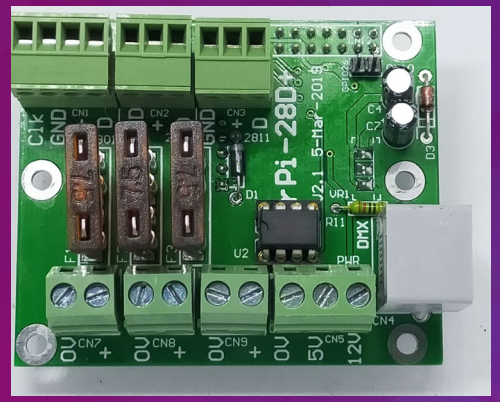
SK6812 Built-in IC



Controller

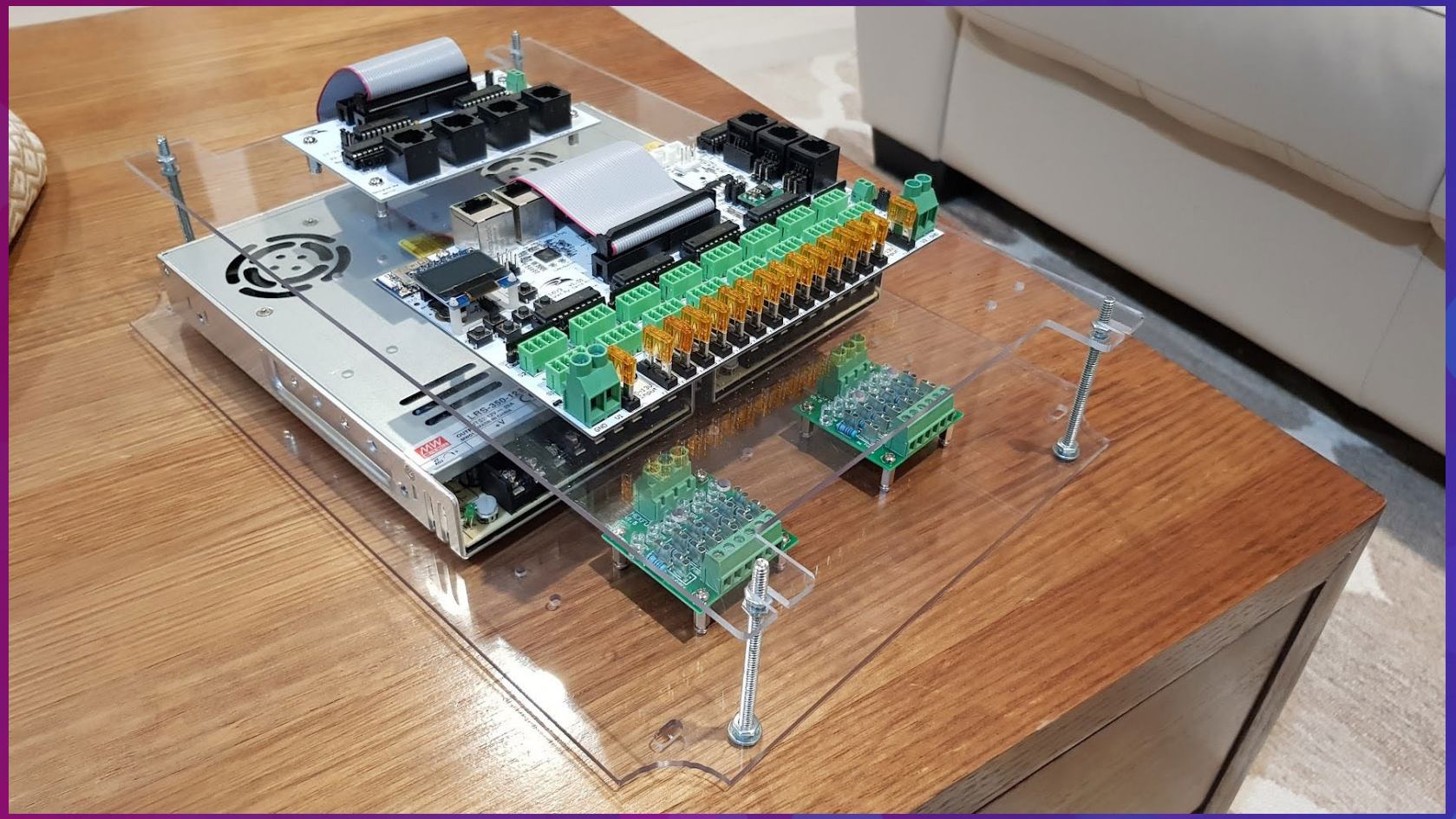
F16V4
www.PixelController.com

Kulp Lights
HOME SHOP ABOUT CONTACT
LOGIN
CART / $0.00



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
CLK DATA GND
ADVATEK
PixLite E16-S Mk3
RST
TST
ETH
AUX
SD

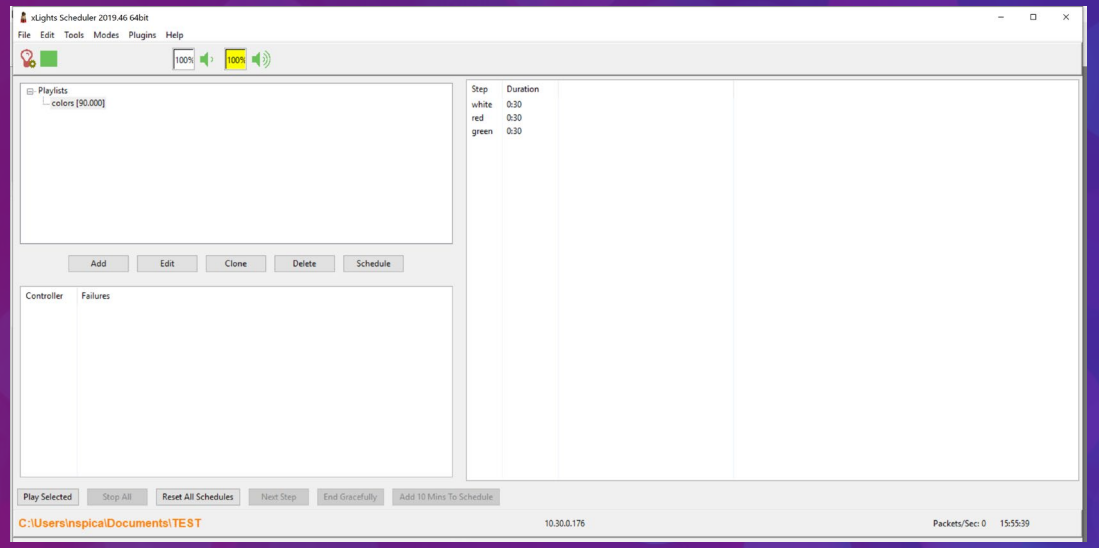
Controller



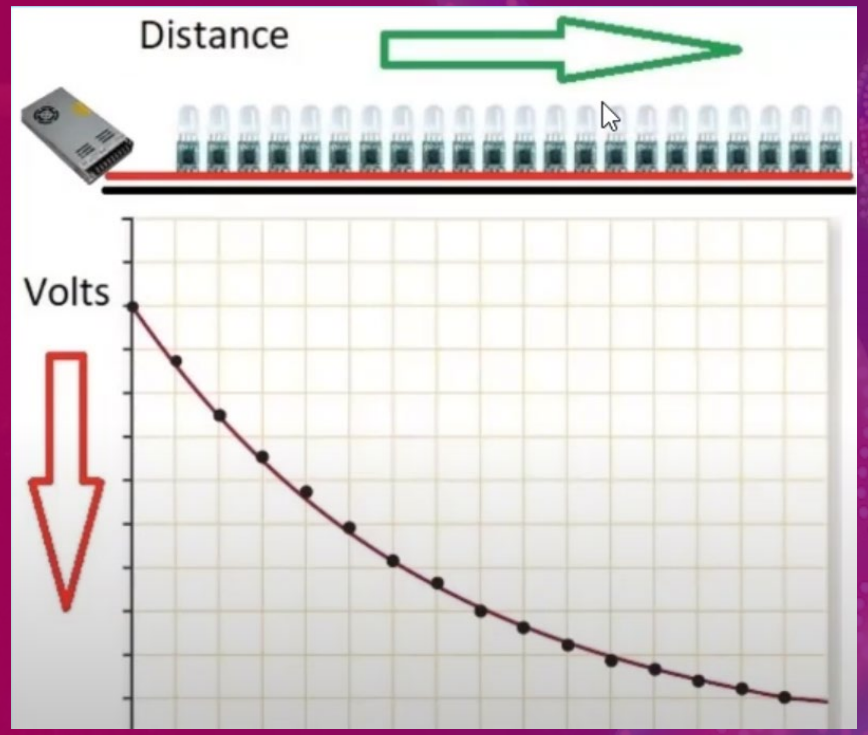
Show player

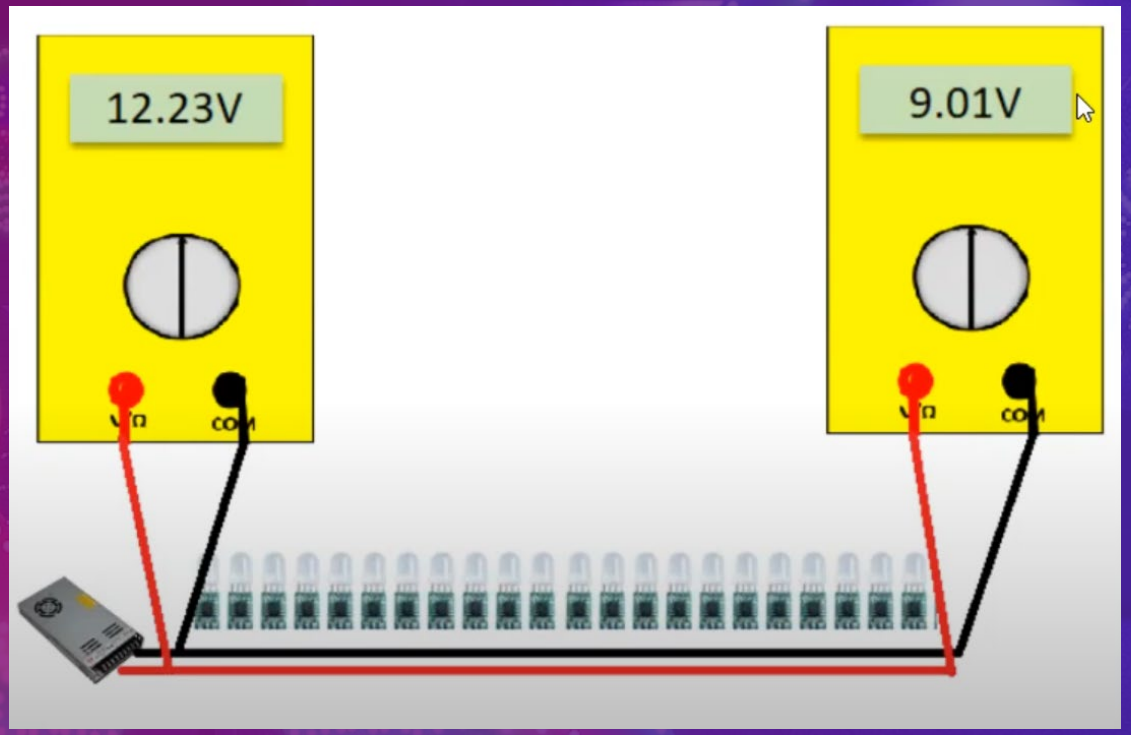
Falcon Pi Player

xSchedule (PC Only)



Power Injection





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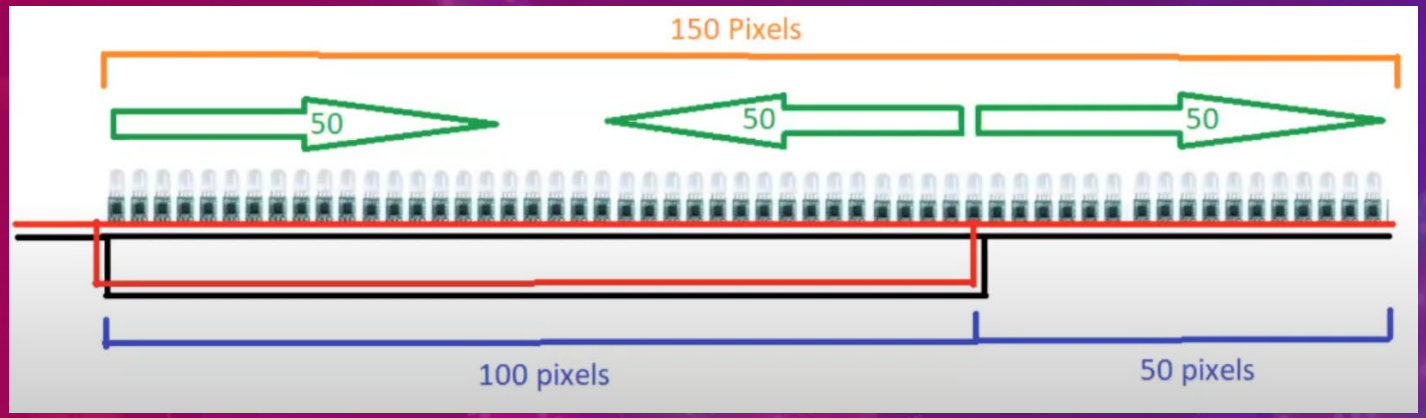


Fuse size / (per pixel current * brightness) = Number of pixels

5A / (0.055 * 0.3) = 300 pixels

(29A * 0.8) / (0.055 * 0.3) = 1406 Pixels

Dive into xLights

Try before you buy

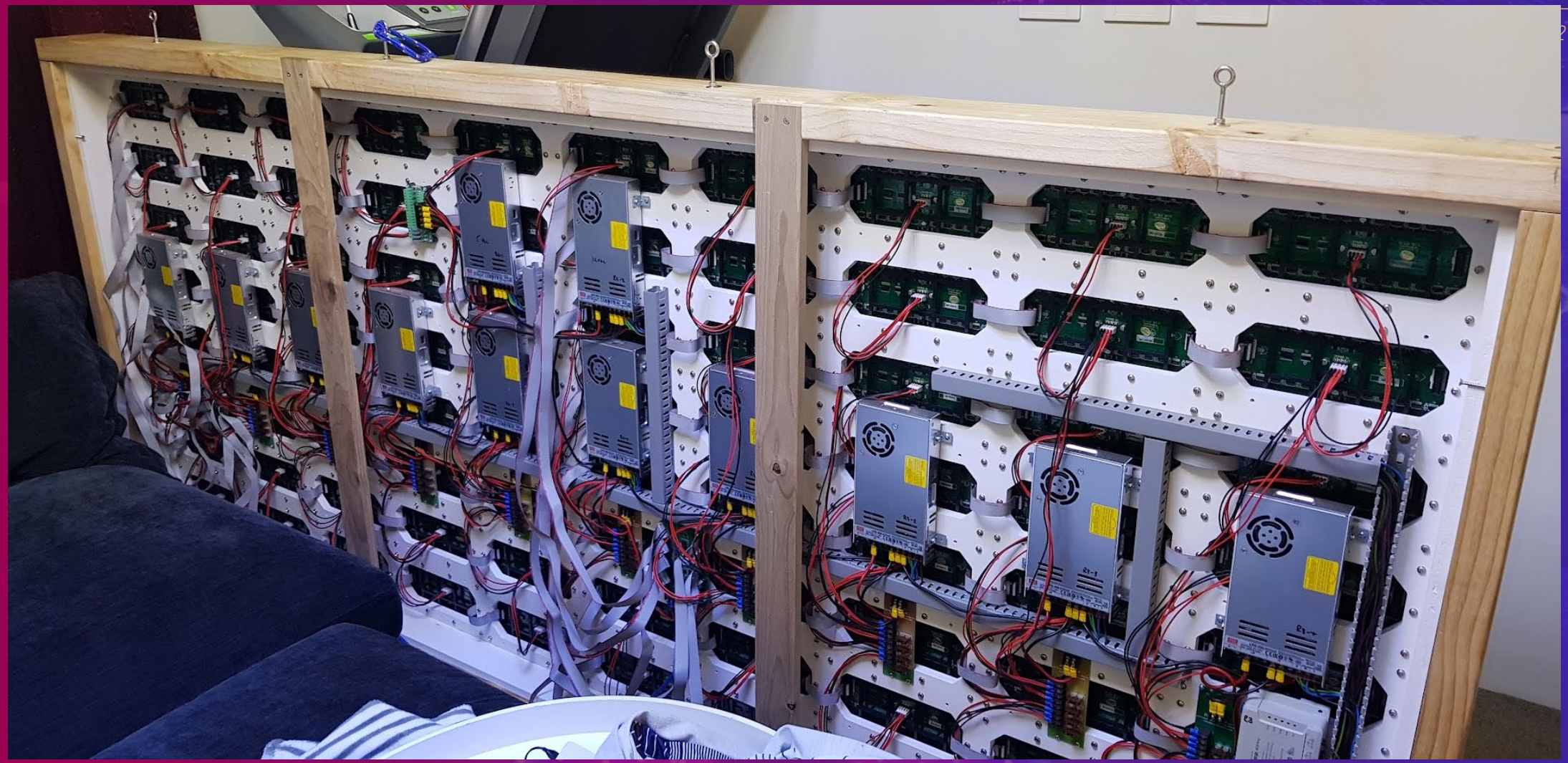
Wings

Let’s break it down

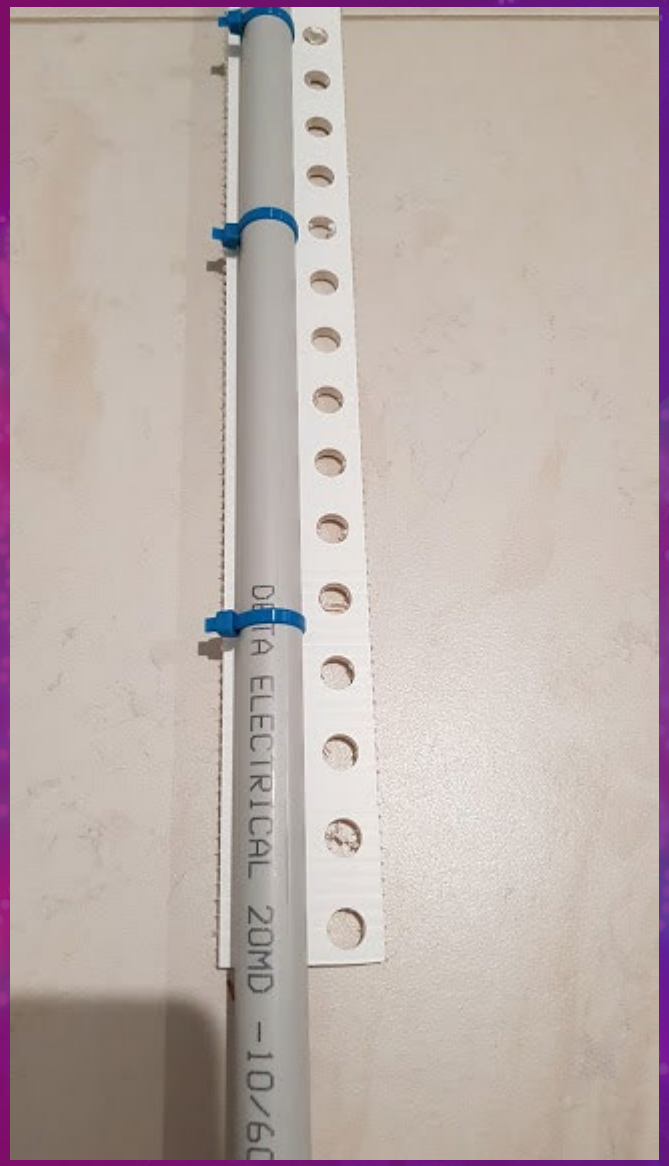
- Wings - $120
- 1000 Pixels - $450
- Controller Box (4 Outputs) - $120
- Mount - $60
- **Total: $750**

Matrix

Matrix



Mounts



Mounts

2023

Thank you

LED there be lights!

Mounts

2023

Mounts

Mounts