

Mohawk / LED roof lighting

One element of the LED lighting will be a large mohawk on the roof.

Current plan:

- About 50' of [3/8" OD hard fuel line \(aluminum\) tubing](#) creates the structure
- Neon, colorful **Cabaret Stretch Mesh** from Fabric Wholesale Direct will stretch between the fuel lines to create something colorful and pretty during the day
- The tubing will be wrapped with seed pixel LED pebbles, at 1.5 cm spacing. This uses a ton of LEDs but looks fantastic.
- With the pixels wrapped, you get about
 - 1" = 15 pixels
 - 1' = 180 pixels
 - 3' = 540 pixels
- This actually seems to work ok without power injection (needs more testing) so each "spike" can go up about 3' in height
- I ordered 150 meters = 10,000 pixels = 55 feet worth.
 - That would come to about 20 strands minimum

LED controls:

- Falcon controller like the F16V5 Pixel Controller, setup somehow to handle 32 strands
- xlights to define the "show". You render a sequence at home and then load it on:
- [Falcon Player](#) lets you use a raspberry pi or something tiny to run the show

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