LED Fixtures

- **Goals:**
    - **TBAT identify the LED fixtures in our inventory**
    - **TBAT set LED fixtures using manual mode**
- **Training Concepts**
    - LED
        - Lamp with a 'light-emitting-diode'
        - Pros:
            - Color Mixing, Long Lasting (20,000+ hours), Energy Efficient
        - Cons:
            - Expensive, Not as Bright
    - Smart Fixture
        - A fixture that is sent information via address (i.e. LED)
        - These fixtures typically need additional power
    - Non-Smart Fixture
        - A fixture that cannot be sent information via address
        - To use: information sent to a <u>dimmer</u>.
            - Dimmer regulates power
    - Daisy-Chaining: Smart fixtures can be daisy-chained, meaning their DMX cables can be connected together, providing the information from the board to pass through every unit. Because each fixture is looking only for a certain amount of addresses and ignores the rest, the information passes though all units without being altered.

- **Training Processes**
    - Identify: Rush Pars, Princess Pars, ColorBlasts, Auras, Vipers, Entours, Source 4
    - Manually set looks on Rush Pars and Princess Pars
    - Manually control a PDS connected to a ColorBlast (see sheets taped to PDS for setting instructions if needed)

- **Estimated Time:** 30 Minutes