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- 3. The color mixing scroller must be supplied with a heat shield panel that filters out harmful ultraviolet and infrared energy.
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- 4. To simplify gel string maintenance and replacement, the unit will have gel spindles that can be removed and replaced quickly and easily from the color mixing scroller.
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E. Electrical and Data

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- 1. The unit will be powered from a separate power supply unit. This unit will combine switch able line voltage, DMX control signal and 24 volt DC. Output will be combined on a 4 pin XLR type connector with the following pin assignments:
 - a. pin 1 – 0 volts DC
 - b. pin 2 – Negative Data
 - c. pin 3 – Positive Data
 - d. pin 4 – Positive 24 volts DC
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- 2. The current requirements at 24 VDC for the color mixing scroller will be 1.8 amp average.
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- 3. The color mixing scroller will be fully DMX addressable at each unit.
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- 4. The fan speed of the color mixing scroller will be controllable with the use of a DMX channel on the lighting console. Fan will operate at full speed when the output value of the console control channel is at zero. Fan will stop when the output value of the console control channel is at 100%.
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- 5. The color mixing scroller will employ a rotary switch and dip switch to select a DMX address; 001-510.
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- 6. The product must be compatible with power supplies using 4 pin XLR type connectors for data and power.
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- 7. The color mixing scroller will have both male and female 4 pin XLR type connector to facilitate daisy chaining of multiple devices.
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