Psych221: Multi-Spectral Illuminator (MSI): UV and Blue LEDs

241 Ohm assumes 15v supply

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LED_UV is Digikey Part L14006-ND
430nm, 4.9V forward drop, 20mA

LED_Blue is LXHL-PR03
455nm, 3.42V forward drop, 350mA MAX
Set in schematic for 250mA

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LED_Cyan is LXHL-PE01
505nm, 3.42V forward drop, 350mA MAX
Set in schematic for 250mA

LED_Green is LXHL-PM01
530nm, 3.42V forward drop, 350mA MAX
Set in schematic for 250mA
Title: Psych221: Multi-Spectral Illuminator (MSI): Amber, Red, and IR LEDs

LED_Amber is LXHL-PL01
565nm, 2.95V forward drop, 350mA MAX
Set in schematic for 250mA

LED_Red is LXHL-PD01
625nm, 2.95V forward drop, 350mA MAX
Set in schematic for 250mA

LED_880 is Digikey 2ES127-6D
880nm, 1.7V forward drop, 100mA MAX
Set in schematic for ~96mA

LED_940 is Digikey 1N6266-ND
940nm, 1.7V forward drop, 100mA MAX
Set in schematic for ~96mA
Psych221: Multi-Spectral Illuminator (MSI): Controller

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Title

Date: Tuesday, February 26, 2008

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