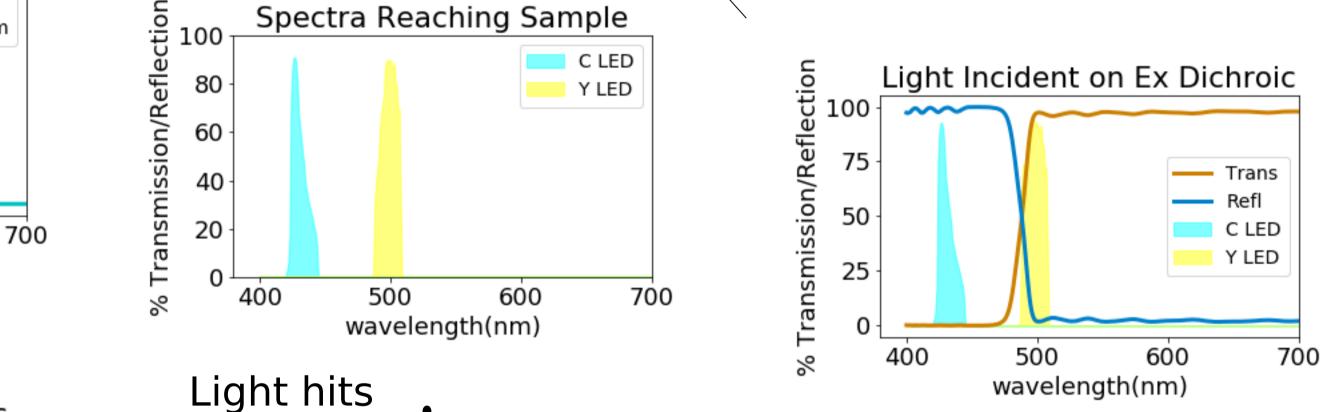
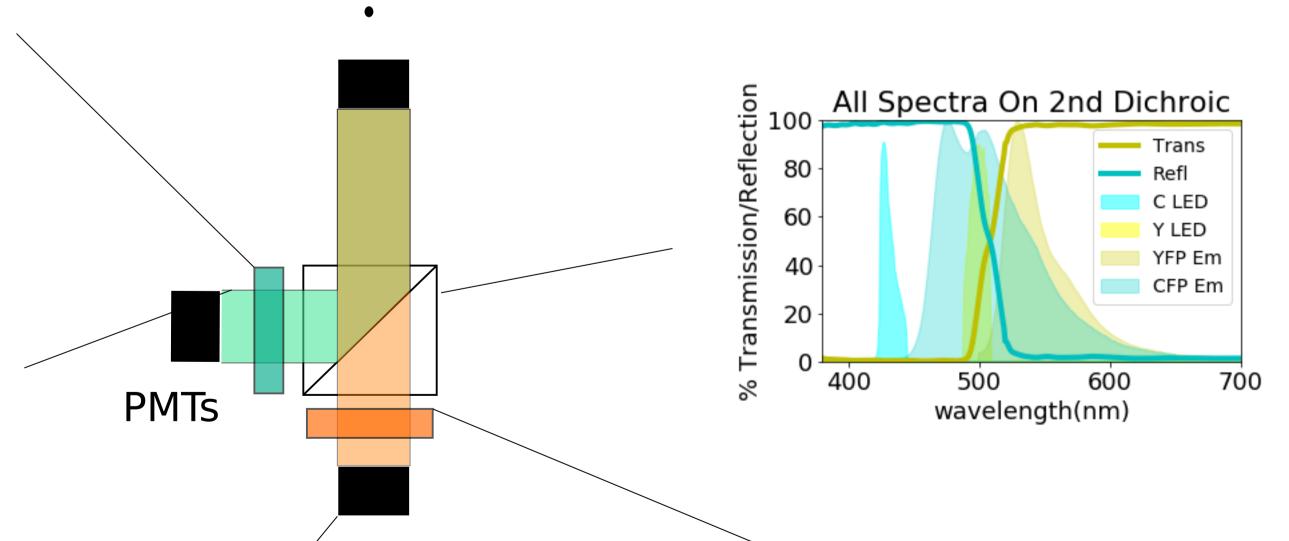
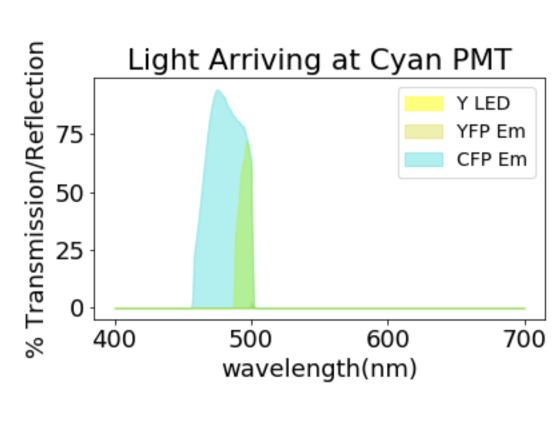
% Transmission/Reflection Yellow LED Spectrum LEDs are Specific Light Incident 100 to Correct Excitation 100 % Transmission 75 on Each Optic 75 50 50 for CFP YFP 25 25 Fluorostat 500 600 700 400 500 400 wavelength(nm) wavelength(nm) **Excitation** Cyan LED Spectrum 100 **LEDs** 75 Transmission/Reflection YFP Excitation Filter 100 50 75 25 50 700 500 600 400 25 wavelength(nm) 500 400 wavelength(nm) CFP Excitation Filter 100 Filter Pass Spectra Reaching Sample LED Spectrum 75 100 C LED 80 Y LED 50

sample







500

wavelength(nm)

% Transmission/Reflection

% Transmission/Reflection

% Transmission/Reflection

25

100

75

50

25

400

400

500

600

CFP Em Filter

700

Y LED

C LED

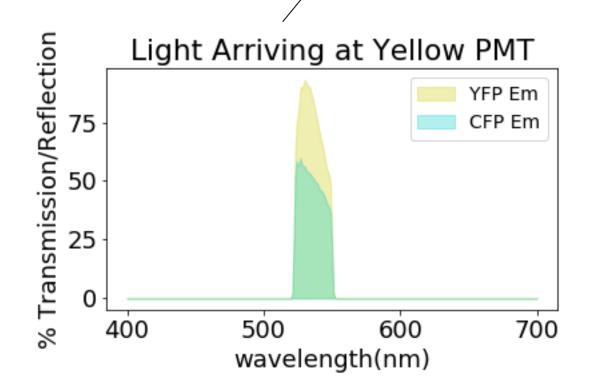
YFP Em

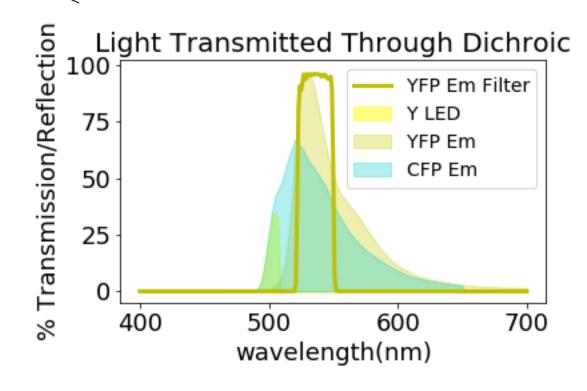
CFP Em

600

wavelength(nm)

Reflected Off 2nd Dichroic





YFP Ex

CFP Ex

Filter Pass

600

LED Spectrum

600

Cyan LED

Yellow LED

700

700