

FLUOR Colorband	LUMENCOR Band	LUMENCOR Power mW	Excitation Filter nm	Dichromatic Mirror nm	Mercury HBO Power mW	Xenon XBO Power mW	Metal Halide Power mW	LED Power mW/peakλ	Tungsten HAL Power mW
DAPI violet			365/10	395 LP	23.0	5.6	14.5	0.70 / 365	0.06
	386/23	33							
CFP blue			436/25	455 LP	79.8	25.0	76.0	26.5 / 445	1.0
	438/24	60							
GFP/FITC cyan			470/40	495 LP	32.8	52.8	57.5	39.2 / 465	2.8
	475/28	64							
YFP green			500/24	520 LP	20.0	35.4	26.5	10.9 / 505	2.7
	512/25	35							
TRITC green/yellow	542/27	44							
			543/22	562 LP	76.0	31.9	67.5	6.6 / 535	3.6
Texas Red/ mCherry yellow	560/25	49							
			562/40	595 LP	153.7	54.4	119.5	7.9 / 585	6.9
	575/25	45							
			587/25	605 LP	80.9	29.7	54.5	7.2 / 585	4.3
Cy5 red	632/22	20							
			640/30	660 LP	9.1	22.1	13.5	14.9 / 635	4.5
	650/13	14							

Axio Observer with a 40x EC Plan-NEOFLUOR objective with a 0.75NA
reference: Zeiss Online Campus @ zeiss-campus.magnet.fsu.edu/articles/lightsources/powertable.html