

APPENDIX 6
HAZARD CLASSIFICATION FOR CONTINUOUS WAVE LASERS
(From ANSI Z136.5-2009, Table 6)

Laser Type	Wavelength (nm)	Power Range (W)	Maximum Hazard Class
Helium-Cadmium (HeCd)	325	3.2×10^{-6} to 0.5	Class 3B
Argon (Ar)	351, 363	3.2×10^{-6} to 0.5	Class 3B
Argon (Ar)	488, 512	<0.001	Class 2
Helium-Neon (HeNe)	633	<0.001	Class 2
InGaAlP (diode)	670	<0.001	Class 2
Argon (Ar)	488, 514	0.001 to 0.005	Class 3R
Helium-Neon (HeNe)	633	0.001 to 0.005	Class 3R
InGaAlP (diode)	670	0.001 to 0.005	Class 3R
Argon (Ar)	488, 550	>0.5	Class 4
InGaAlP (diode)	670	>0.5	Class 4
Dye	400 to 550	>0.5	Class 4
GaAlAs (diode)	780	0.00018 to 0.5	Class 3B
InGaAs (diode)	900 to	0.004 to 0.5	Class 3B
Yb:Si Fiber	1020 to 1070	>0.5	Class 4
Nd:YAG	1064	0.00064 to 0.5	Class 3B
InGaAsP (diode)	1310	0.0044 to 0.5	Class 3B
Doubled Nd:YAG	532	>0.5	Class 4
Carbon Dioxide (CO ₂)	10,600	>0.5	Class 4