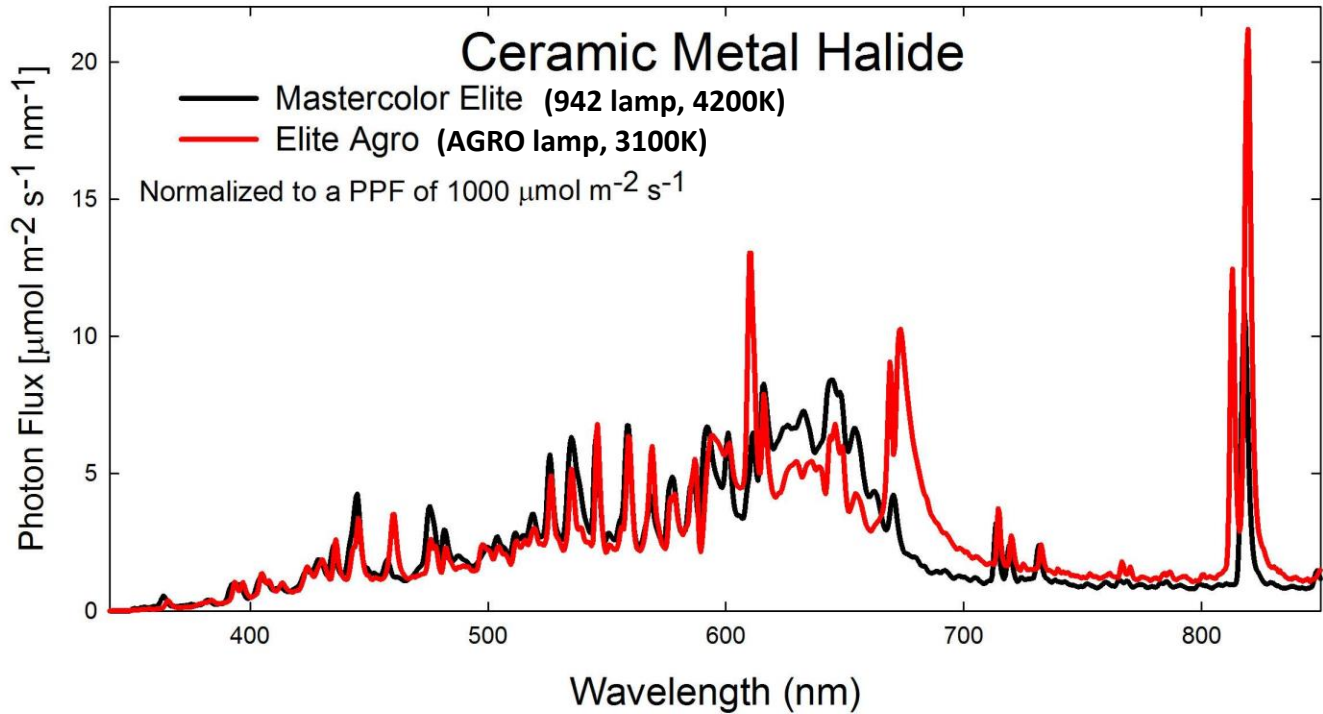
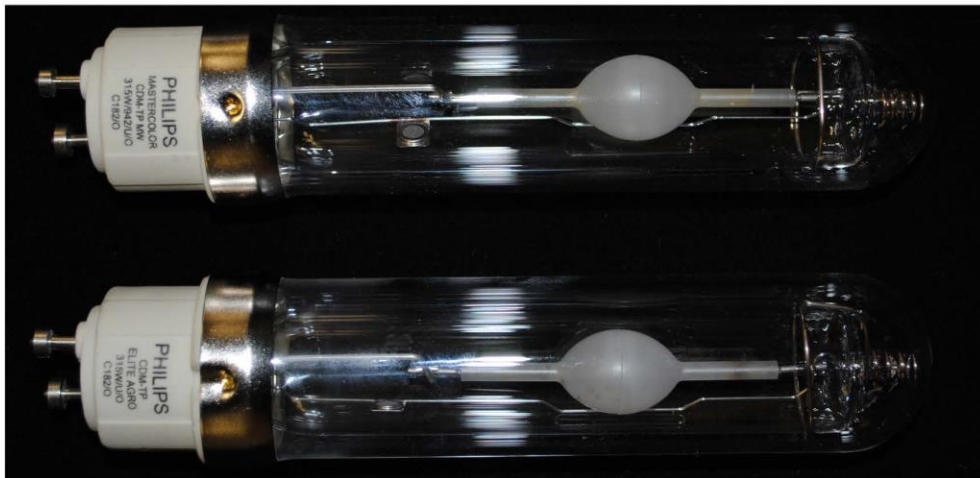


Philips AGRO (3100K) and 942 (4200K) 315W CMH Lamps Spectral Distribution  
By Utah State University Crop Physiology Laboratory

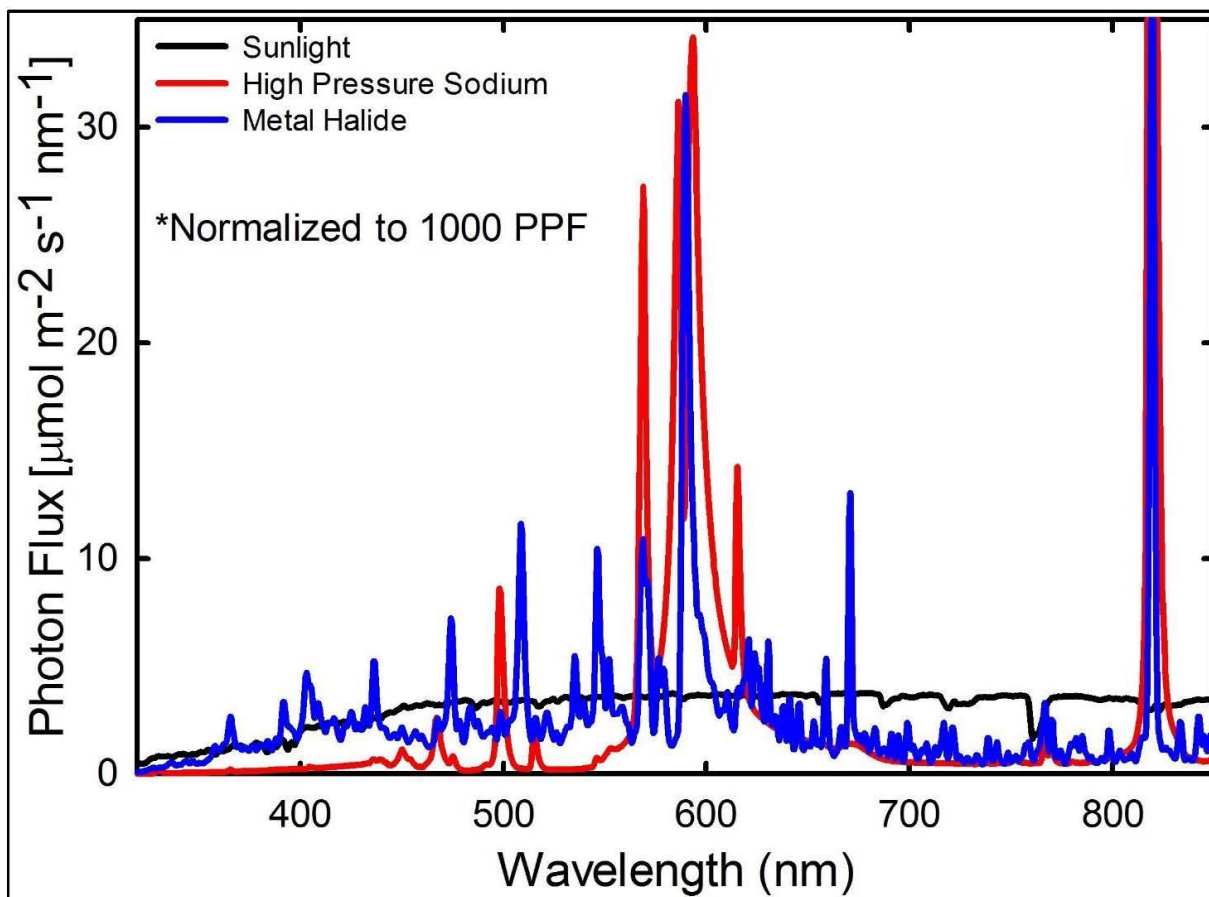
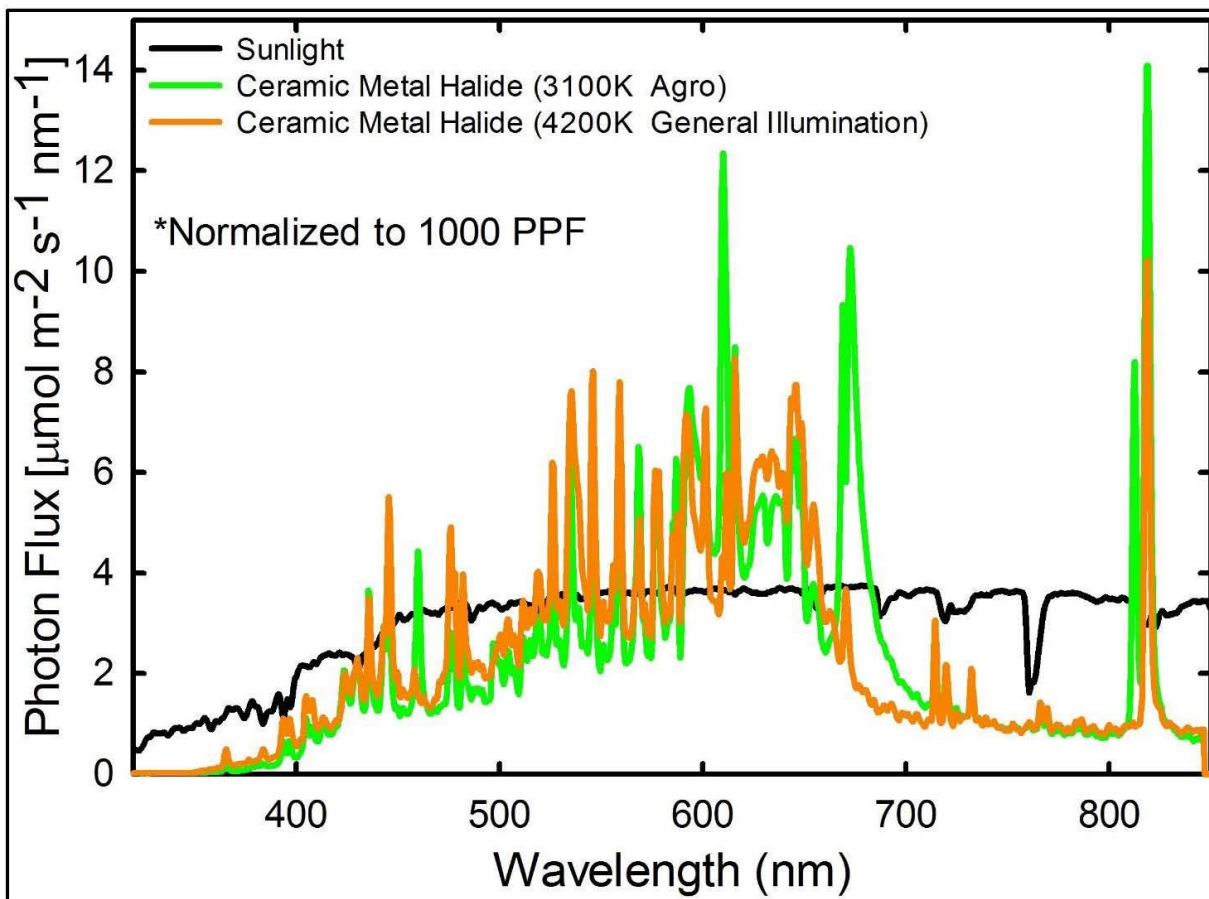


Radiation distribution (% of PPF)

	UV (300-399)	Blue (400-490)	Green (491-600)	Red (601-700)	Near Infrared (701-850)	YPF/PPF
High Pressure Sodium	0.8	4.9	67.2	27.9	56.5	0.88
Metal Halide	7.4	20.5	58.6	20.9	29.3	0.91
Ceramic Metal Halide (Agro)	1.5	13.4	35.4	51.2	31.7	0.907
Ceramic Metal Halide (Mastercolor)	1.7	14.7	38.9	46.3	19.6	0.904
T5 Cool White Fluorescent	2.2	24.1	46.6	29.3	3.9	0.89
T12 Cool White Fluorescent	2.6	21.5	56.8	21.6	2.1	0.89



# Spectral Characterization Comparisons



Data Provided by Utah State University Crop Physiology Laboratory