

CHARACTERISTICS OF X-RAY PHOSPHORS

PHOSPHOR	EMISSION EFFICIENCY %	EMISSION COLOR	EMISSION PEAK (nm)	EFFECTIVE ATOMIC #	ABSORPTION EDGE (kv)	SPECIFIC GRAVITY
CaWO ₄	5.0	Blue	425	61.8	69.48	6.1
ZnS:Ag	19.0	Blue	450	26.7	9.66	3.9
BaSO ₄ :Eu	6.0	Violet	380	45.5	37.38	4.5
BaFCl:Eu	13.0	Violet	390	49.3	37.38	4.7
Y ₂ O ₂ S:Tb	18.0	Bl/White	420	34.9	17.04	4.9
LaOBr:Tb	17.0	Bl/White	420	49.3	38.92	6.3
LaOBr:Tm	11.0	Blue	360,460	49.3	38.92	6.3
YTaO ₄ :Tm	8.0	Blue	360,460	59.8	67.42	7.5
YTaO ₄ :Nb	8.5	Blue	410	59.8	67.42	7.5
Gd ₂ O ₂ S:Tb	16.0	Green	545	59.5	50.22	7.3
La ₂ O ₂ S:Tb	12.5	Green	545	52.6	38.92	6.5
ZnCdS:Ag	19.0	Green	530	38.4	9.66/26.70	4.8
CsI:Na	13.0	Blue	420	54.0	35.95/33.16	4.5

MCI OPTONIX SCREEN/PHOSPHOR COMPOSITION INDEX

PHOSPHOR	MCIO SCREEN
CaWO ₄	Detail, Medium, High Plus, L-Plus
BaFIBr	Blue Rapid, Blue 800, Blue 400, Blue 100
ZnCdS:Ag	PFG, PFG Detail
Gd ₂ O ₂ S:Tb	Green 600, Green 400, Green 200, Green 100
Y ₂ O ₂ S:Tb, Gd ₂ O ₂ S:Pr	Special order custom coatings only