

Material	Density (g/cm ³)	Z _{eff}	Ph.Abs.Coeff. at 511 keV (cm ⁻¹)	X ₀ (cm)	LY (Ph/MeV)	τ (ns)	λ (nm)	Bibliographic Reference number
Cross-luminescent materials								
CsCaCl ₃	2.9	43.6	0.03	4.1	1400	1	250,305	57
Self-activated materials								
Li ₃ YCl ₆		27	-	8.53				70
Cs ₂ LiYCl ₆		44.5	-	5.85				70
Cs ₂ NaCeCl ₆	3.25	50.1	0.047	3.22	11000	1000	376	34
Doped materials								
LiYCl ₆ :Ce		27.4	8.17					70
CeCl ₃ :Ce		48.4	2.02					Derenso,93
LuCl ₃ :Ce		61	1.08					65,69,71
K ₂ LaCl ₅ :Ce	2.89	44.1	0.025	4.5	25000	1000	348	34
RbGd ₂ Cl ₇ :Ce	3.74	53.9	0.069	2.75	43000	1000	370	34
Cs ₂ LiYCl ₆ :Ce		44.5	5.85			284		70

Cs₂NaLaCl₆:Ce	3.2	49.7	0.045	3.3	5400	1000	368	34
Cs₂NaLuCl₆:Ce	3.71	56.5	0.079	2.61	5200	1000	373	34
Cs₃LuCl₆:Ce	3.79	56.7	0.083	2.27	4400	1000	375	34
Cs₃Lu₂Cl₉:Ce	4.01	58.6	0.097	2.46	650	10 ⁵	409	34
LaCl₃:Ce	3.8	47.3			49,000	25+slow	330;352	69