



Phosphor Information Leaflet

GENERAL

Name	Barium zirconium orthosilicate
Chemical formula	Ba ₂ Zr ₂ Si ₃ O ₁₂
Application areas	UV emitting CL and excimer lamps

OPTICAL PROPERTIES

Excitation maxima @	190 nm (6.5 eV)
Emission maximum @ 160 nm exc.	328 nm (3.8 eV)
Centroid wavelength	337 nm (3.7 eV)
Full width @ half emission maximum	77 nm (0.9 eV)
Lumen equivalent	-
CIE1931 chromaticity coordinates (x, y)	-
Band edge of host lattice	-
Decay time $\tau_{1/e}$	-

PHYSICAL PROPERTIES

Body colour	White
Density	4.55 g/cm ³
Refractive index (at λ)	
Mineral type	Langbeinite
Crystal system	Cubic
Space group (#)	<i>P</i> 2 ₁ 3 (198)

