



Phosphor Information Leaflet

GENERAL

Name	Barium zirconium cyclosilicate
Chemical formula	BaZrSi ₃ O ₉
Application areas	UV emitting CL and excimer lamps

OPTICAL PROPERTIES

Excitation maxima @	180 nm (6.9 eV)
Emission maximum @ 160 nm exc.	278 nm (4.5 eV)
Centroid wavelength	281 nm (2.3 eV)
Full width @ half emission maximum	50 nm (0.8 eV)
Lumen equivalent	-
CIE1931 chromaticity coordinates (x, y)	-
Band edge of host lattice	-
Decay time $\tau_{1/e}$	-

PHYSICAL PROPERTIES

Body colour	White
Density	3.85 g/cm ³
Refractive index (at λ)	
Mineral type	Bazirite
Crystal system	Hexagonal
Space group (#)	<i>P</i> -6 <i>c</i> 2 (188)

