



Phosphor Information Leaflet

GENERAL

Name	Sodium strontium lanthanum vanadate europium
Chemical formula	$\text{NaSrLa}(\text{VO}_4)_2:\text{Eu}^{3+}$
Application areas	

OPTICAL PROPERTIES

Excitation maxima @ 619 nm	396 nm (3.13 eV), 416 nm (2.98 eV); 465 nm (2.67 eV); 537 nm (2.31 eV); 614 nm (2.02 eV); 619 nm (2.00 eV); 697 nm (1.78 eV);
Emission maximum @ 396 nm exc.	710 nm (1.75 eV)
Centroid wavelength	lines
Full width @ half emission maximum	38 lm/W
Lumen equivalent	0.701; 0.299
CIE1931 chromaticity coordinates (x, y)	-
Band edge of host lattice	54 %
Reflection @ 396 nm	

PHYSICAL PROPERTIES

Body colour	white
Density	4.46 g/cm ³
Refractive index (at λ)	
Mineral type	
Crystal system	trigonal
Space group (#)	R-3m h (166)

