



## Phosphor Information Leaflet

### GENERAL

Name	Lanthanum titanium aluminate europium
Chemical formula	$\text{LaTi}_2\text{Al}_9\text{O}_{19}:\text{Eu}^{3+}$
Application areas	

### OPTICAL PROPERTIES

Excitation maxima @ 617 nm	364 nm (3.41 eV); 396 nm (1.31 eV); 466 nm (2.66 eV);
Emission maximum @ 380 nm exc.	591 nm (2.10 eV); 616 nm (2.01 eV); 704 nm (1.76 eV)
Centroid wavelength	645 nm (1.92 eV)
Full width @ half emission maximum	11 nm
Lumen equivalent	226 lm/W
CIE1931 chromaticity coordinates (x, y)	0.629; 0.363
Band edge of host lattice	

### PHYSICAL PROPERTIES

Body colour	white
Density	4.34 g/cm <sup>3</sup>
Refractive index (at $\lambda$ )	
Mineral type	
Crystal system	monoclinic
Space group (#)	C12/c1 (15)

